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12628

Massachusetts Military Reservation

PLUME RESPONSE PROGRAM

Final Fuel Spill-12 Treatment System 1998 Annual Ecological Assessment Report Appendices

December 1999

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APPENDIX A
TIER I PARAMETERS

Appendix A-1
FS-12 Groundwater Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Depth (ft. msl)	Relative Location	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
Snake Pond (Potentially Impacted Site)									
90MW0058	11/04/96	-54.65	Downgradient	11.15	60.00	3.50	6.77	223.90	726.00
90MP0060C	11/06/96	-44.81	Downgradient	10.56	53.00	11.16	6.25	180.10	0.00
90MP0060F	11/06/96	38.09	Downgradient	10.53	62.00	11.64	5.86	245.10	0.00
90MW0010	11/07/96	57.37	Downgradient	13.45	65.00	11.60	5.49	278.10	0.00
90MW0011	11/07/96	25.95	Downgradient	11.11	49.00	11.95	5.77	260.10	0.00
90MW0049	11/13/96	-98.73	Downgradient	10.38	76.00	3.36	6.75	98.50	5.00
90MW0015	11/18/96	-22.56	Downgradient	11.56	53.00	11.22	6.02	184.70	2.50
ECPZSNP01A	11/21/96	NA	Downgradient	12.27	82.00	1.02	5.31	110.90	0.00
ECPZSNP02B	11/21/96	NA	Downgradient	10.64	39.00	10.95	5.96	110.90	0.80
90MW0010	03/11/97	57.37	Downgradient	9.63	67.00	11.29	5.54	249.80	0.90
90MW0011	03/11/97	25.95	Downgradient	11.06	53.00	11.93	5.70	249.20	1.40
90MW0015	03/12/97	-22.56	Downgradient	10.11	58.00	9.75	5.32	244.90	0.30
90MP0060C	03/14/97	-44.81	Downgradient	9.24	60.00	11.93	6.07	170.80	516.60
90MP0060D	03/14/97	-19.88	Downgradient	9.40	50.00	13.93	6.27	233.50	1263.20
90MP0060F	03/14/97	38.09	Downgradient	9.48	74.00	14.40	6.22	241.80	2364.00
ECMWSNP02S	08/04/97	20.00	Downgradient	15.35	60.00	9.61	6.87	70.40	17.30
ECMWSNP03D	08/04/97	-15.40	Downgradient	13.73	50.00	9.47	7.16	23.70	930.90
ECMWSNP03S	08/04/97	24.50	Downgradient	15.73	60.00	8.97	6.16	101.60	327.30
ECMWSNP02D	08/08/97	-15.40	Downgradient	13.78	80.00	6.64	8.20	-59.20	28.70
90MP0060C	09/03/97	-44.81	Downgradient	11.07	55.00	10.57	6.14	117.90	3.80
90MP0060D	09/03/97	-19.88	Downgradient	10.81	47.00	10.90	6.10	135.00	2.30
90MP0060F	09/03/97	38.09	Downgradient	10.83	64.00	NA	5.79	185.00	1.40
90MW0015	09/03/97	-22.56	Downgradient	12.10	56.00	9.99	5.89	198.10	1.30
ECMWSNP02D	09/12/97	-15.40	Downgradient	13.17	66.00	7.75	6.93	16.70	859.70
ECMWSNP02S	09/12/97	20.00	Downgradient	12.87	55.00	8.60	6.60	8.10	1344.90
ECMWSNP03D	09/12/97	-15.40	Downgradient	15.81	46.00	8.77	7.18	-12.70	1909.80
ECMWSNP03S	09/12/97	24.50	Downgradient	15.48	73.00	7.93	5.97	44.20	1608.10
ECMWSNP02D	09/15/97	-15.40	Downgradient	12.58	70.00	8.34	6.85	86.40	802.90
ECMWSNP02S	09/15/97	20.00	Downgradient	12.40	58.00	10.44	6.55	190.40	1668.40
ECMWSNP03D	09/15/97	-15.40	Downgradient	13.78	47.00	10.42	6.77	111.60	18.70
ECMWSNP03S	09/15/97	24.50	Downgradient	13.78	74.00	8.98	5.99	130.80	69.70
ECMWSNP02D	09/17/97	-15.40	Downgradient	11.79	70.00	8.39	6.78	30.40	2.00
ECMWSNP02S	09/17/97	20.00	Downgradient	11.97	60.00	10.20	6.57	39.50	18.70
ECMWSNP03D	09/17/97	-15.40	Downgradient	13.26	50.00	10.74	6.53	50.90	13.90
ECMWSNP03S	09/17/97	24.50	Downgradient	13.60	80.00	9.54	6.01	68.40	209.90
ECMWSNP02D	09/18/97	-15.40	Downgradient	13.10	68.00	8.59	6.79	118.60	30.50

Appendix A-1
FS-12 Groundwater Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Depth (ft. msl)	Relative Location	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECMWSNP02S	09/18/97	20.00	Downgradient	13.59	57.00	10.29	6.57	100.00	5.80
ECMWSNP03D	09/18/97	-15.40	Downgradient	14.04	46.00	10.20	6.54	141.60	7.60
ECMWSNP03S	09/18/97	24.50	Downgradient	13.94	71.00	9.76	5.98	153.30	27.10
ECMWSNP02D	09/19/97	-15.40	Downgradient	12.56	70.00	8.19	6.73	135.10	4.80
ECMWSNP02S	09/19/97	20.00	Downgradient	12.85	59.00	9.87	6.55	105.70	40.30
ECMWSNP03D	09/19/97	-15.40	Downgradient	14.46	47.00	10.72	6.42	146.30	13.70
ECMWSNP03S	09/19/97	24.50	Downgradient	14.51	73.00	9.49	5.92	113.50	77.90
ECMWSNP02D	09/22/97	-15.40	Downgradient	12.20	65.00	7.82	6.75	63.20	3.80
ECMWSNP02S	09/22/97	20.00	Downgradient	12.64	55.00	8.85	6.54	89.10	53.80
ECMWSNP03D	09/22/97	-15.40	Downgradient	12.42	44.00	9.54	6.61	80.60	10.40
ECMWSNP03S	09/22/97	24.50	Downgradient	13.09	67.00	8.83	5.93	126.60	8.60
ECMWSNP02D	09/24/97	-15.40	Downgradient	12.25	58.00	7.73	6.66	-5.40	7.60
ECMWSNP02S	09/24/97	20.00	Downgradient	12.78	49.00	8.75	6.44	-7.80	31.50
ECMWSNP03D	09/24/97	-15.40	Downgradient	12.65	39.00	10.43	6.64	26.10	598.20
ECMWSNP03S	09/24/97	24.50	Downgradient	12.83	59.00	9.16	5.90	17.00	24.70
ECMWSNP02D	09/26/97	-15.40	Downgradient	12.38	66.00	7.73	6.86	20.80	13.10
ECMWSNP02S	09/26/97	20.00	Downgradient	11.84	55.00	11.23	6.59	44.80	27.70
ECMWSNP03D	09/26/97	-15.40	Downgradient	13.01	44.00	11.41	6.57	51.60	10.30
ECMWSNP03S	09/26/97	24.50	Downgradient	13.10	66.00	9.83	5.99	88.20	18.80
ECMWSNP03D	09/29/97	-15.40	Downgradient	14.00	45.00	10.44	6.48	86.30	12.80
ECMWSNP03S	09/29/97	24.50	Downgradient	14.18	66.00	9.01	5.99	96.40	13.00
ECMWSNP02D	10/01/97	-15.40	Downgradient	11.62	62.00	8.51	6.61	54.60	3.50
ECMWSNP02S	10/01/97	20.00	Downgradient	11.66	51.00	8.03	6.50	68.70	53.10
ECMWSNP03D	10/01/97	-15.40	Downgradient	12.54	42.00	11.16	6.28	104.90	62.10
ECMWSNP03S	10/01/97	24.50	Downgradient	12.68	61.00	9.46	5.84	121.20	24.30
ECMWSNP02D	10/03/97	-15.40	Downgradient	10.72	61.00	9.41	6.35	88.10	17.70
ECMWSNP02S	10/03/97	20.00	Downgradient	10.98	50.00	11.20	6.36	67.20	37.50
ECMWSNP03D	10/03/97	-15.40	Downgradient	11.97	41.00	11.25	6.30	91.60	10.40
ECMWSNP03S	10/03/97	24.50	Downgradient	12.52	60.00	9.25	5.85	114.20	10.80
ECMWSNP02D	10/06/97	-15.40	Downgradient	12.72	63.00	8.48	6.75	46.40	6.10
ECMWSNP02S	10/06/97	20.00	Downgradient	13.06	53.00	10.28	6.52	44.90	36.20
ECMWSNP03D	10/06/97	-15.40	Downgradient	13.33	42.00	10.66	6.43	77.40	16.40
ECMWSNP03S	10/06/97	24.50	Downgradient	13.50	60.00	9.48	5.97	94.80	8.80
90MW0085A	10/08/97	-15.80	Downgradient	12.00	56.00	10.67	5.83	345.10	0.00
90MW0085B	10/08/97	19.14	Downgradient	12.78	72.00	4.91	4.69	367.50	0.00
ECMWSNP02D	10/08/97	-15.40	Downgradient	11.45	67.00	8.29	6.63	54.90	1.20
ECMWSNP02S	10/08/97	20.00	Downgradient	11.59	57.00	9.15	6.38	54.40	30.30

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Location Identifier	Date	Depth (ft. msl)	Relative Location	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECMWSNP03D	10/08/97	-15.40	Downgradient	11.79	45.00	10.31	6.32	71.10	66.80
ECMWSNP03S	10/08/97	24.50	Downgradient	12.24	63.00	9.47	5.90	100.90	313.50
ECMWSNP02D	10/10/97	-15.40	Downgradient	12.78	67.00	8.26	6.72	51.50	1.70
ECMWSNP02S	10/10/97	20.00	Downgradient	12.62	57.00	8.98	6.57	43.70	11.40
ECMWSNP03D	10/10/97	-15.40	Downgradient	13.32	44.00	10.13	6.69	54.10	62.30
ECMWSNP03S	10/10/97	24.50	Downgradient	13.53	63.00	8.29	6.00	78.90	112.80
90MW0015	10/15/97	-22.56	Downgradient	10.97	56.00	9.89	5.55	242.20	0.00
90PZ0205	10/15/97	63.06	Upgradient	14.45	79.00	6.92	4.94	304.90	0.10
90MP0060C	10/21/97	-44.81	Downgradient	10.65	47.00	10.97	6.07	155.60	1882.40
90MP0060D	10/21/97	-19.88	Downgradient	10.77	55.00	10.23	6.14	100.40	2.00
90MP0060F	10/21/97	38.09	Downgradient	16.60	58.00	9.17	6.21	110.90	2.70
90MP0060C	12/30/97	-44.81	Downgradient	10.11	61.00	10.07	6.19	161.90	2.70
ECMWSNP03D	05/04/98	-15.40	Downgradient	11.98	49.00	12.44	6.59	-30.50	7.50
ECMWSNP03S	05/04/98	24.50	Downgradient	12.01	55.00	11.10	6.44	-45.40	11.90
ECMWSNP02D	05/05/98	-15.40	Downgradient	11.01	72.00	9.10	7.00	-32.60	4.50
ECMWSNP02S	05/05/98	20.00	Downgradient	11.49	60.00	8.76	6.61	39.00	10.20
90MW0085A	05/18/98	-15.80	Downgradient	13.80	68.00	6.63	6.41	219.20	0.00
90MW0085B	05/19/98	19.14	Downgradient	13.26	64.00	6.15	6.17	166.30	0.00
90MP0060C	05/21/98	-44.81	Downgradient	11.70	76.00	9.53	6.78	124.80	0.60
90MP0060D	05/21/98	-19.88	Downgradient	12.00	73.00	10.10	6.79	131.30	0.50
90MP0060F	05/21/98	38.09	Downgradient	11.64	73.00	10.53	6.75	158.70	9.50
90MW0004	05/29/98	-4.54	Upgradient	14.23	105.00	11.54	5.58	237.60	0.00
90MW0015	05/29/98	-22.56	Downgradient	13.00	59.00	11.05	5.32	252.40	0.90
90PZ0205	05/29/98	63.06	Upgradient	11.42	68.00	6.43	4.73	362.70	0.00
90MW0020	06/01/98	-14.05	Upgradient	12.71	85.00	0.51	5.92	75.80	0.00
90PZ0205	07/29/98	63.06	Upgradient	16.03	67.00	7.43	4.55	304.60	1.70
90RIW0014	07/29/98	-38.27	Downgradient	14.27	77.00	9.50	7.04	148.00	0.30
ECMWSNP02D	08/10/98	-15.40	Downgradient	13.05	68.00	9.89	7.03	-10.60	62.30
ECMWSNP02S	08/10/98	20.00	Downgradient	13.19	62.00	8.25	6.61	14.20	225.00
ECMWSNP03S	08/10/98	24.50	Downgradient	16.74	56.00	10.03	6.43	81.50	164.50
ECMWSNP03D	08/11/98	-15.40	Downgradient	15.15	51.08	8.85	6.68	23.60	1356.90
90MW0085A	08/12/98	-15.80	Downgradient	14.37	82.00	10.95	6.45	114.00	0.10
90MW0085B	08/12/98	19.14	Downgradient	13.41	66.00	9.00	5.65	160.40	0.00
90RIW0014	08/27/98	-38.27	Downgradient	11.78	75.00	11.24	6.51	159.70	0.00
90RIW0028	08/27/98	NA	Downgradient	12.18	75.00	12.06	6.48	187.00	1.30
90MP0060C	09/03/98	-44.81	Downgradient	12.36	69.00	10.74	6.15	130.70	2.10
90MP0060D	09/03/98	-19.88	Downgradient	12.79	69.00	10.75	6.13	155.20	7.90

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Location Identifier	Date	Depth (ft. msl)	Relative Location	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
90MP0060F	09/03/98	38.09	Downgradient	12.06	71.00	10.62	6.14	143.00	10.90
90MW0015	09/10/98	-22.56	Downgradient	11.38	52.00	10.44	5.72	211.90	0.40
90PZ0205	09/10/98	63.06	Upgradient	16.35	68.00	8.47	4.70	339.30	0.40
90MW0004	09/16/98	-4.54	Upgradient	11.37	109.00	10.81	4.90	216.30	0.00
90MW0004	09/29/98	-4.54	Upgradient	10.88	106.00	10.88	5.40	164.80	0.00
90MW0020	09/29/98	-14.05	Upgradient	12.24	80.00	0.78	5.67	21.60	0.30
90PZ0205	09/29/98	63.06	Upgradient	15.83	64.00	7.87	4.48	239.70	1.10
90RIW0014	09/29/98	-38.27	Downgradient	12.12	77.00	10.35	6.75	214.20	0.60
90RIW0028	09/29/98	NA	Downgradient	12.47	87.00	10.82	6.68	193.00	0.40
90RIW0006	10/02/98	-37.38	Downgradient	10.75	70.00	10.80	6.76	267.10	10.20
90MW0085B	10/08/98	19.14	Downgradient	13.33	73.00	11.09	6.23	170.40	0.00
90MW0004	10/27/98	-4.54	Upgradient	11.00	106.00	11.02	5.48	308.10	0.40
90MW0020	10/27/98	-14.05	Upgradient	12.92	80.00	0.91	5.80	54.50	0.40
90PZ0205	10/27/98	63.06	Upgradient	14.53	60.00	7.94	4.50	330.80	2.40
90RIW0006	10/28/98	-37.38	Downgradient	10.62	69.00	11.18	6.72	299.50	15.50
90RIW0014	10/28/98	-38.27	Downgradient	10.63	69.00	11.42	6.64	306.40	0.00
90RIW0028	10/28/98	NA	Downgradient	10.64	68.00	13.96	6.39	311.00	0.20
90MW0004	10/29/98	-4.54	Upgradient	11.34	109.00	10.25	5.61	253.40	0.40
90MW0020	10/29/98	-14.05	Upgradient	12.16	80.00	0.62	5.89	107.70	0.50
90PZ0205	10/29/98	63.06	Upgradient	14.62	67.00	7.42	4.68	360.50	3.40
ECMWSNP02S	11/02/98	20.00	Downgradient	10.99	60.00	7.74	6.08	55.90	1298.00
ECMWSNP03D	11/02/98	-15.40	Downgradient	12.91	50.00	10.75	6.17	105.70	8.70
ECMWSNP03S	11/02/98	24.50	Downgradient	11.58	48.00	10.57	5.83	89.10	1014.60
ECMWSNP02D	11/03/98	-15.40	Downgradient	10.69	68.00	10.19	6.92	26.80	788.70
90MW0015	11/16/98	-22.56	Downgradient	11.42	59.00	10.45	6.61	292.30	1.40
90MW0085A	11/16/98	-15.80	Downgradient	12.02	70.00	10.03	6.64	284.20	0.70
90MW0085B	11/16/98	19.14	Downgradient	12.78	68.00	8.81	6.76	287.00	0.50
90RIW0006	11/17/98	-37.38	Downgradient	10.44	69.00	11.22	6.16	263.20	0.00
90RIW0014	11/17/98	-38.27	Downgradient	10.44	69.00	11.06	6.35	232.90	0.00
90RIW0028	11/17/98	NA	Downgradient	10.41	69.00	12.85	6.52	255.80	0.60
90MW0004	11/18/98	-4.54	Upgradient	10.45	110.00	11.40	5.43	213.40	0.80
90MW0020	11/18/98	-14.05	Upgradient	11.12	85.00	3.63	5.75	30.40	0.30
90PZ0205	11/18/98	63.06	Upgradient	12.39	64.00	9.17	4.68	269.50	2.10
90MP0060C	11/19/98	-44.81	Downgradient	10.79	71.00	10.20	6.38	366.10	4.60
90MP0060D	11/19/98	-19.88	Downgradient	10.69	72.00	10.37	6.41	385.20	4.80
90MP0060F	11/19/98	38.09	Downgradient	10.78	72.00	10.40	6.40	380.50	63.40
90MW0020	12/28/98	-14.05	Upgradient	10.76	80.00	0.16	5.86	53.60	0.30

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Location Identifier	Date	Depth (ft. msl)	Relative Location	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
90PZ0205	12/28/98	63.06	Upgradient	10.10	62.00	8.80	4.63	334.70	0.30
90RIW0006	12/29/98	-37.38	Downgradient	10.23	72.00	11.12	6.59	156.20	3.30
90RIW0014	12/29/98	-38.27	Downgradient	10.18	72.00	11.41	6.53	168.90	0.00
90RIW0028	12/29/98	NA	Downgradient	9.88	72.00	12.10	6.34	196.00	0.00
Triangle Pond (Reference Area)									
ECMWTRP01D	10/20/97	7.94	Reference	10.76	84.00	15.11	5.99	243.10	1.50
ECMWTRP01S	10/20/97	61.04	Reference	11.27	127.00	15.41	6.20	209.20	0.40
ECMWTRP01D	05/20/98	7.94	Reference	11.96	102.00	10.25	6.59	238.20	0.00
ECMWTRP01S	05/20/98	61.04	Reference	12.77	136.00	10.97	6.60	220.60	0.00
ECMWTRP01D	09/09/98	7.94	Reference	11.94	93.00	9.90	5.66	239.90	0.40
ECMWTRP01S	09/09/98	61.04	Reference	14.53	105.00	11.37	5.55	214.60	1.50
ECMWTRP01D	11/13/98	7.94	Reference	11.31	90.00	10.43	5.61	216.80	0.70
ECMWTRP01S	11/13/98	61.04	Reference	12.66	89.00	11.74	5.40	264.90	0.00
Peters Pond (Reference Area)									
ECMWPTP01D	08/05/97	-15.51	Reference	13.34	79.00	6.12	6.15	210.30	0.00
ECMWPTP01S	08/05/97	64.59	Reference	20.14	123.00	3.54	6.05	201.40	0.50
ECMWPTP01D	10/10/97	-15.51	Reference	14.54	72.00	5.84	5.97	189.20	0.90
ECMWPTP01S	10/10/97	64.59	Reference	19.19	105.00	2.66	6.00	218.30	0.80
ECMWPTP01D	05/19/98	-15.51	Reference	13.66	77.00	5.54	6.04	184.90	0.00
ECMWPTP01S	05/19/98	64.59	Reference	14.79	181.00	1.40	5.98	190.20	0.00
ECMWPTP01D	09/09/98	-15.51	Reference	14.61	77.00	7.10	5.89	224.80	0.00
ECMWPTP01S	09/09/98	64.59	Reference	20.50	102.00	4.88	5.98	217.00	1.60

C = Celsius
DO = dissolved oxygen
ft = feet

mg/L = milligrams per liter
msl = mean sea level
mV = millivolts
NA = Data not available

NTU = nephelometric turbidity units
ORP = oxidation reduction potential
µS/cm = microSiemens per centimeter

(intentionally blank)

Appendix A-2
FS-12 Analytical Results of DOC in Groundwater Wells used in Statistical Analyses

Location	Date	Depth (ft. msl)	Relative Location	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
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Snake Pond (Potentially Impacted Site)						
90PZ0205	10/15/97	63.06	Upgradient	0.26	0.52	U
90MW0004	05/29/98	-4.54	Upgradient	0.17	0.34	U
90PZ0205	05/29/98	63.06	Upgradient	1.03	0.34	
90MW0020	06/01/98	-14.05	Upgradient	0.87	0.34	J
90PZ0205	07/29/98	63.06	Upgradient	0.87	0.34	J
90PZ0205	09/10/98	63.06	Upgradient	1.17	0.34	
90MW0004	09/16/98	-4.54	Upgradient	0.80	0.34	J
90MW0004	09/29/98	-4.54	Upgradient	0.17	0.34	U
90MW0020	09/29/98	-14.05	Upgradient	1.04	0.34	
90PZ0205	09/29/98	63.06	Upgradient	0.92	0.34	J
90MW0004	10/27/98	-4.54	Upgradient	0.17	0.34	U
90MW0020	10/27/98	-14.05	Upgradient	0.86	0.34	J
90PZ0205	10/27/98	63.06	Upgradient	0.80	0.34	J
90MW0004	11/18/98	-4.54	Upgradient	0.25	0.20	J
90MW0020	11/18/98	-14.05	Upgradient	0.77	0.20	J
90PZ0205	11/18/98	63.06	Upgradient	3.10	0.20	
90MW0004	12/28/98	-4.54	Upgradient	1.32	0.34	
90MW0020	12/28/98	-14.05	Upgradient	2.03	0.34	
90PZ0205	12/28/98	63.06	Upgradient	2.00	0.34	
90MW0010	11/07/96	57.37	Downgradient	0.30	0.60	U
90MW0011	11/07/96	25.95	Downgradient	0.30	0.60	U
90MW0015	11/08/96	-22.56	Downgradient	0.30	0.60	U
ECPZSNP01A	11/12/96	NA	Downgradient	1.70	0.40	
ECPZSNP02B	11/12/96	NA	Downgradient	0.20	0.40	U
90MW0010	03/11/97	57.37	Downgradient	0.26	0.52	U
90MW0011	03/11/97	25.95	Downgradient	0.26	0.52	U
90MW0015	03/12/97	-22.56	Downgradient	0.26	0.52	U
90MP0060C	03/14/97	-44.81	Downgradient	0.26	0.52	U
90MP0060D	03/14/97	-19.88	Downgradient	0.26	0.52	U
90MP0060F	03/14/97	38.09	Downgradient	0.26	0.52	U
ECPZSNP02S	08/04/97	20.00	Downgradient	0.26	0.52	U
ECPZSNP03D	08/04/97	-15.40	Downgradient	0.26	0.52	U
ECPZSNP03S	08/04/97	24.50	Downgradient	0.26	0.52	U
ECPZSNP02D	08/08/97	-15.40	Downgradient	0.26	0.52	U
90MP0060C	09/03/97	-44.81	Downgradient	0.26	0.52	U
90MP0060D	09/03/97	-19.88	Downgradient	0.26	0.52	U
90MP0060F	09/03/97	38.09	Downgradient	0.26	0.52	U
90MW0015	09/03/97	-22.56	Downgradient	0.26	0.52	U
90MW0085A	10/08/97	-15.80	Downgradient	0.26	0.52	U
90MW0085B	10/08/97	19.14	Downgradient	0.26	0.52	U
90MW0015	10/15/97	-22.56	Downgradient	0.26	0.52	U
90MP0060C	10/21/97	-44.81	Downgradient	0.26	0.52	U
90MP0060D	10/21/97	-19.88	Downgradient	0.26	0.52	U
90MP0060F	10/21/97	38.09	Downgradient	0.26	0.52	U
ECMWNSNP03D	05/04/98	-15.40	Downgradient	0.17	0.34	U

Appendix A-2
FS-12 Analytical Results of DOC in Groundwater Wells used in Statistical Analyses

Location Identifier	Date	Depth (ft. msl)	Relative Location	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
ECMWSNP03S	05/04/98	24.50	Downgradient	0.64	0.34	J
ECMWSNP02D	05/05/98	-15.40	Downgradient	0.17	0.34	U
ECMWSNP02S	05/05/98	20.00	Downgradient	0.57	0.34	J
90MW0085A	05/18/98	-15.80	Downgradient	0.17	0.34	U
90MW0085B	05/19/98	19.14	Downgradient	0.17	0.34	U
90MP0060C	05/21/98	-44.81	Downgradient	0.17	0.34	U
90MP0060D	05/21/98	-19.88	Downgradient	0.17	0.34	U
90MP0060F	05/21/98	38.09	Downgradient	0.17	0.34	U
90MW0015	05/29/98	-22.56	Downgradient	0.17	0.34	U
90RIW0006	06/02/98	-37.38	Downgradient	1.72	0.34	
90RIW0014	06/02/98	-38.27	Downgradient	1.43	0.34	
90RIW0028	06/02/98	NA	Downgradient	1.44	0.34	
90RIW0014	07/29/98	-38.27	Downgradient	1.71	0.34	
ECMWSNP02D	08/10/98	-15.40	Downgradient	0.17	0.34	U
ECMWSNP02S	08/10/98	20.00	Downgradient	0.17	0.34	U
ECMWSNP03S	08/10/98	24.50	Downgradient	0.17	0.34	U
ECMWSNP03D	08/11/98	-15.40	Downgradient	0.17	0.34	U
90MW0085A	08/12/98	-15.80	Downgradient	0.54	0.34	J
90MW0085B	08/12/98	19.14	Downgradient	0.17	0.34	U
90RIW0014	08/27/98	-38.27	Downgradient	0.17	0.34	U
90RIW0028	08/27/98	NA	Downgradient	0.17	0.34	U
90MP0060C	09/03/98	-44.81	Downgradient	0.17	0.34	U
90MP0060D	09/03/98	-19.88	Downgradient	0.17	0.34	U
90MP0060F	09/03/98	38.09	Downgradient	0.17	0.34	U
90MW0015	09/10/98	-22.56	Downgradient	0.17	0.34	U
90RIW0014	09/29/98	-38.27	Downgradient	0.77	0.34	J
90RIW0028	09/29/98	NA	Downgradient	1.04	0.34	
90RIW0006	10/02/98	-37.38	Downgradient	0.17	0.34	U
90RIW0006	10/28/98	-37.38	Downgradient	0.57	0.34	J
90RIW0014	10/28/98	-38.27	Downgradient	0.17	0.34	U
90RIW0028	10/28/98	NA	Downgradient	0.17	0.34	U
ECMWSNP02S	11/02/98	20.00	Downgradient	1.52	0.34	
ECMWSNP03D	11/02/98	-15.40	Downgradient	0.50	0.34	J
ECMWSNP03S	11/02/98	24.50	Downgradient	1.34	0.34	
ECMWSNP02D	11/03/98	-15.40	Downgradient	1.56	0.34	
90MW0015	11/16/98	-22.56	Downgradient	0.27	0.20	J
90MW0085A	11/16/98	-15.80	Downgradient	0.29	0.20	J
90MW0085B	11/16/98	19.14	Downgradient	0.27	0.20	J
90RIW0006	11/17/98	-37.38	Downgradient	0.37	0.20	J
90RIW0014	11/17/98	-38.27	Downgradient	0.35	0.20	J
90RIW0028	11/17/98	NA	Downgradient	0.23	0.20	J
90MP0060C	11/19/98	-44.81	Downgradient	0.27	0.20	J
90MP0060D	11/19/98	-19.88	Downgradient	0.38	0.20	J
90MP0060F	11/19/98	38.09	Downgradient	0.67	0.20	J
90RIW0006	12/29/98	-37.38	Downgradient	0.17	0.34	U
90RIW0014	12/29/98	-38.27	Downgradient	1.33	0.34	
90RIW0028	12/29/98	NA	Downgradient	1.51	0.34	

Appendix A-2
FS-12 Analytical Results of DOC in Groundwater Wells used in Statistical Analyses

Location Identifier	Date	Depth (ft. msl)	Relative Location	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
Peters Pond (Reference Area)						
ECMWPTP01S	08/05/97	64.59	Reference	0.26	0.52	U
ECMWPTP01D	08/05/97	-15.51	Reference	0.26	0.52	U
ECMWPTP01S	10/10/97	64.59	Reference	0.26	0.52	U
ECMWPTP01D	10/10/97	-15.51	Reference	0.26	0.52	U
ECMWPTP01S	05/19/98	64.59	Reference	1.49	0.34	
ECMWPTP01D	05/19/98	-15.51	Reference	0.17	0.34	U
ECMWPTP01S	09/09/98	64.59	Reference	1.10	0.34	
ECMWPTP01D	09/09/98	-15.51	Reference	0.52	0.34	J
Triangle Pond (Reference Area)						
ECMWTRP01D	10/20/97	7.94	Reference	0.26	0.52	U
ECMWTRP01S	10/20/97	61.04	Reference	0.26	0.52	U
ECMWTRP01D	05/20/98	7.94	Reference	0.17	0.34	U
ECMWTRP01S	05/20/98	61.04	Reference	4.34	0.34	
ECMWTRP01D	09/09/98	7.94	Reference	0.43	0.34	J
ECMWTRP01S	09/09/98	61.04	Reference	0.56	0.34	J
ECMWTRP01D	11/13/98	7.94	Reference	0.65	0.20	J
ECMWTRP01S	11/13/98	61.04	Reference	0.66	0.20	J

* = At locations in which DOC was not detected, values in the results column are half of the detection limit.

ft = feet

mg/L = milligrams per liter

msl = mean sea level

NA = Data not available.

U = The analyte was not detected above the reported detection limit.

J = The analyte was positively identified; the associated numerical value is an estimated concentration.

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Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mv)	Turbidity (NTU)
Snake Pond (Potentially Impacted Site)									
ECSNP01	08/01/96	E	3.3	23.60	65.00	8.06	7.29	NA	NA
ECSNP02	08/01/96	E	3.3	23.70	65.00	7.10	7.25	NA	NA
ECSNP05	08/01/96	E	3.3	22.50	64.00	8.00	6.99	NA	NA
ECSNP01	08/01/96	E	6.6	23.60	65.00	8.02	7.17	NA	NA
ECSNP02	08/01/96	E	6.6	23.60	65.00	7.09	7.14	NA	NA
ECSNP01	08/01/96	E	9.8	23.60	65.00	7.98	7.07	NA	NA
ECSNP02	08/01/96	E	9.8	23.60	65.00	6.96	7.00	NA	NA
ECSNP01	08/01/96	E	13.1	23.60	65.00	7.97	6.99	NA	NA
ECSNP01	08/01/96	E	16.4	23.60	65.00	7.98	6.94	NA	NA
ECSNP01	08/01/96	E	19.7	23.60	65.00	7.95	6.89	NA	NA
ECSNP01	08/01/96	E	23.0	23.60	65.00	7.93	6.85	NA	NA
ECSNP03	08/05/96	E	3.3	23.89	66.00	8.37	6.93	NA	NA
ECSNP04	08/05/96	E	3.3	24.20	66.00	8.75	6.95	NA	NA
ECSNP03	08/05/96	E	6.6	23.84	66.00	8.21	6.87	NA	NA
ECSNP04	08/05/96	E	6.6	24.11	66.00	8.46	6.88	NA	NA
ECSNP03	08/05/96	E	9.8	23.78	66.00	8.13	6.83	NA	NA
ECSNP04	08/05/96	E	9.8	24.09	66.00	8.40	6.86	NA	NA
ECSNP03	08/05/96	E	13.1	23.56	66.00	8.04	6.79	NA	NA
ECSNP04	08/05/96	E	13.1	24.00	66.00	8.31	6.82	NA	NA
ECSNP03	08/05/96	E	16.4	23.45	65.00	8.07	6.76	NA	NA
ECSNP04	08/05/96	E	16.4	23.49	66.00	8.17	6.80	NA	NA
ECSNP03	08/05/96	E	19.7	23.38	65.00	8.00	6.71	NA	NA
ECSNP04	08/05/96	E	19.7	23.40	66.00	8.12	6.77	NA	NA
ECSNP03	08/05/96	E	23.0	23.29	65.00	7.92	6.68	NA	NA
ECSNP04	08/05/96	E	23.0	23.32	66.00	8.00	6.73	NA	NA
ECSNP04	08/05/96	E	24.6	23.31	66.00	7.87	6.68	NA	NA
ECSNP03	08/05/96	E	26.2	23.19	65.00	7.71	6.64	NA	NA
ECSNP03	08/05/96	E	29.5	23.11	65.00	7.17	6.55	NA	NA
ECSNP03	11/08/96	E	3.0	7.85	47.00	13.37	6.48	213.00	NA
ECSNP03	11/08/96	E	6.0	7.85	47.00	12.97	6.55	212.00	NA
ECSNP03	11/08/96	E	9.0	7.78	47.00	12.93	6.55	212.00	NA
ECSNP03	11/08/96	E	12.0	7.74	47.00	12.92	6.55	213.00	NA

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP03	11/08/96	E	15.0	7.74	47.00	12.87	6.55	214.00	NA
ECSNP03	11/08/96	E	18.0	7.74	47.00	12.81	6.55	214.00	NA
ECSNP03	11/08/96	E	21.0	7.74	47.00	12.87	6.55	215.00	NA
ECSNP03	11/08/96	E	24.0	7.74	47.00	12.80	6.55	177.00	NA
ECSNP01	11/19/96	E	3.0	7.91	47.00	13.21	6.98	191.00	NA
ECSNP02	11/19/96	E	3.0	7.83	47.00	13.27	6.41	194.00	NA
ECSNP01	11/19/96	E	6.0	7.85	47.00	13.15	6.88	195.00	NA
ECSNP02	11/19/96	E	6.0	7.84	47.00	13.13	6.45	194.00	NA
ECSNP01	11/19/96	E	9.0	7.84	47.00	13.17	6.85	196.00	NA
ECSNP01	11/19/96	E	12.0	7.83	47.00	13.14	6.79	204.00	NA
ECSNP01	11/19/96	E	15.0	7.83	47.00	13.11	6.76	205.00	NA
ECSNP01	11/19/96	E	18.0	7.80	47.00	13.05	6.68	207.00	NA
ECSNP01	11/19/96	E	21.0	7.80	47.00	13.08	6.67	208.00	NA
ECSNP01	11/19/96	E	24.0	7.79	47.00	13.09	6.05	209.00	NA
ECSNP01	11/19/96	E	27.0	7.93	47.00	12.85	5.98	215.00	NA
ECSNP04	11/20/96	E	3.0	7.66	51.00	12.98	6.64	150.00	NA
ECSNP04	11/20/96	E	6.0	7.66	51.00	13.18	6.57	186.00	NA
ECSNP05	11/20/96	E	8.0	7.12	52.00	13.04	6.31	214.00	NA
ECSNP04	11/20/96	E	9.0	7.65	51.00	13.16	6.40	187.00	NA
ECSNP04	11/20/96	E	12.0	7.64	51.00	13.18	6.37	190.00	NA
ECSNP04	11/20/96	E	18.0	7.64	51.00	13.19	6.36	192.00	NA
ECSNP04	11/20/96	E	21.0	7.63	51.00	13.16	6.35	195.00	NA
ECSNP01	04/11/97	E	3.0	8.02	58.00	12.41	6.94	195.00	0.00
ECSNP03	04/11/97	E	3.0	8.01	58.00	12.81	6.79	199.00	0.00
ECSNP08	04/11/97	E	3.0	8.71	58.00	12.64	6.73	206.00	0.00
ECSNP01	04/11/97	E	6.0	7.95	58.00	12.44	6.95	190.00	0.00
ECSNP03	04/11/97	E	6.0	7.94	58.00	12.57	6.85	198.00	0.00
ECSNP08	04/11/97	E	6.0	8.72	58.00	12.59	6.78	200.00	1.00
ECSNP01	04/11/97	E	9.0	7.93	58.00	12.44	6.95	190.00	0.00
ECSNP03	04/11/97	E	9.0	7.91	58.00	12.54	6.86	199.00	0.00
ECSNP01	04/11/97	E	12.0	7.87	58.00	12.45	6.90	191.00	0.00
ECSNP03	04/11/97	E	12.0	7.85	58.00	12.53	6.88	197.00	0.00
ECSNP01	04/11/97	E	15.0	7.85	58.00	12.46	6.91	190.00	0.00
ECSNP03	04/11/97	E	15.0	7.82	58.00	12.51	6.86	216.00	0.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP01	04/11/97	E	18.0	7.84	58.00	12.46	6.90	190.00	0.00
ECSNP03	04/11/97	E	18.0	7.81	58.00	12.53	6.92	197.00	0.00
ECSNP01	04/11/97	E	21.0	7.82	58.00	12.46	6.91	191.00	0.00
ECSNP03	04/11/97	E	21.0	7.82	58.00	12.52	6.91	196.00	0.00
ECSNP01	04/11/97	E	24.0	7.10	58.00	12.47	6.91	189.00	0.00
ECSNP03	04/11/97	E	24.0	7.80	58.00	12.53	6.91	196.00	0.00
ECSNP01	04/11/97	E	27.0	7.80	58.00	12.46	6.92	191.00	0.00
ECSNP03	04/11/97	E	27.0	7.78	58.00	12.49	6.88	198.00	0.00
ECSNP01	04/11/97	E	30.0	7.67	58.00	12.45	6.88	194.00	0.00
ECSNP01	04/11/97	E	33.0	7.72	58.00	12.40	6.85	194.00	NA
ECSNP02	04/14/97	E	3.0	9.50	53.00	11.95	6.35	179.00	0.00
ECSNP06	04/14/97	E	3.0	8.63	54.00	12.37	6.55	190.00	0.00
ECSNP07	04/14/97	E	3.0	8.81	54.00	12.18	6.56	188.00	0.00
ECSNP07	04/14/97	E	5.0	8.94	54.00	11.98	6.48	187.00	NA
ECSNP02	04/14/97	E	6.0	9.46	54.00	11.90	6.34	178.00	0.00
ECSNP06	04/14/97	E	6.0	8.62	54.00	12.18	6.52	186.00	1.00
ECSNP02	04/14/97	E	9.0	9.49	54.00	11.84	6.31	177.00	0.00
ECSNP06	04/14/97	E	9.0	8.53	54.00	12.03	6.51	184.00	0.00
ECSNP02	04/14/97	E	12.0	9.33	53.00	11.84	6.30	177.00	0.00
ECSNP06	04/14/97	E	12.0	8.47	54.00	11.96	6.47	185.00	0.00
ECSNP02	04/14/97	E	14.0	9.23	55.00	11.80	6.27	179.00	12.00
ECSNP06	04/14/97	E	15.0	8.46	54.00	11.88	6.44	185.00	0.00
ECSNP06	04/14/97	E	18.0	8.43	54.00	11.87	6.42	186.00	0.00
ECSNP06	04/14/97	E	21.0	8.36	54.00	11.84	6.39	186.00	0.00
ECSNP06	04/14/97	E	24.0	8.31	54.00	11.72	6.34	188.00	0.00
ECSNP06	04/14/97	E	26.0	8.33	54.00	11.47	6.22	184.00	1.00
ECSNP04	04/15/97	E	3.0	9.58	53.00	11.81	6.46	172.00	0.00
ECSNP05	04/15/97	E	3.0	9.54	54.00	12.03	6.43	149.00	0.00
ECSNP04	04/15/97	E	6.0	9.35	53.00	11.77	6.39	172.00	0.00
ECSNP05	04/15/97	E	6.0	9.44	53.00	11.78	6.36	153.00	0.00
ECSNP05	04/15/97	E	7.0	9.39	53.00	11.71	6.30	156.00	0.00
ECSNP04	04/15/97	E	9.0	9.30	53.00	11.74	6.33	174.00	0.00
ECSNP04	04/15/97	E	12.0	8.97	53.00	11.77	6.25	157.00	0.00
ECSNP04	04/15/97	E	15.0	8.93	53.00	11.74	6.24	157.00	0.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP04	04/15/97	E	18.0	8.90	53.00	11.82	6.22	154.00	0.00
ECSNP04	04/15/97	E	20.5	8.93	53.00	11.75	6.21	157.00	1.00
ECSNP07	07/01/97	E	0.0	25.43	54.00	10.00	6.69	254.00	8.00
ECSNP07	07/01/97	E	3.0	25.44	54.00	9.93	6.75	246.00	8.00
ECSNP07	07/01/97	E	6.0	25.44	54.00	9.80	6.76	243.00	7.00
ECSNP07	07/01/97	E	9.0	25.45	54.00	9.65	6.73	245.00	10.00
ECSNP06	07/02/97	E	0.0	25.65	55.00	8.48	6.72	177.00	0.00
ECSNP08	07/02/97	E	0.0	25.27	55.00	7.86	6.77	158.00	0.00
ECSNP06	07/02/97	E	3.0	25.66	55.00	8.46	6.84	166.00	0.00
ECSNP08	07/02/97	E	3.0	25.29	55.00	7.81	6.69	155.00	0.00
ECSNP06	07/02/97	E	6.0	25.62	55.00	8.41	6.89	162.00	0.00
ECSNP08	07/02/97	E	6.0	25.25	55.00	7.83	6.61	155.00	0.00
ECSNP08	07/02/97	E	7.5	25.25	55.00	7.74	6.54	105.00	2.00
ECSNP06	07/02/97	E	9.0	25.61	55.00	8.34	6.88	161.00	0.00
ECSNP06	07/02/97	E	12.0	25.58	55.00	8.34	6.87	161.00	0.00
ECSNP06	07/02/97	H	15.0	19.62	53.00	9.98	6.77	167.00	0.00
ECSNP06	07/02/97	H	18.0	18.12	53.00	9.87	6.68	172.00	0.00
ECSNP06	07/02/97	H	21.0	17.39	53.00	9.64	6.60	176.00	0.00
ECSNP06	07/02/97	H	24.0	16.81	53.00	9.18	6.50	179.00	0.00
ECSNP02	07/07/97	E	0.0	25.05	54.00	9.40	6.85	220.00	2.00
ECSNP03	07/07/97	E	0.0	25.51	54.00	8.41	7.04	211.00	0.00
ECSNP02	07/07/97	E	3.0	25.00	54.00	8.73	6.79	221.00	0.00
ECSNP03	07/07/97	E	3.0	25.53	55.00	8.27	6.99	209.00	0.00
ECSNP02	07/07/97	E	6.0	24.87	54.00	8.51	6.77	220.00	0.00
ECSNP03	07/07/97	E	6.0	25.51	55.00	7.92	6.93	210.00	0.00
ECSNP02	07/07/97	E	9.0	24.83	54.00	8.33	6.74	222.00	0.00
ECSNP03	07/07/97	E	9.0	25.49	55.00	7.89	6.89	210.00	0.00
ECSNP02	07/07/97	E	10.0	24.83	54.00	8.24	6.69	221.00	0.00
ECSNP03	07/07/97	E	12.0	25.05	54.00	7.79	6.83	212.00	0.00
ECSNP03	07/07/97	H	15.0	22.65	54.00	8.47	6.74	223.00	0.00
ECSNP03	07/07/97	H	18.0	18.93	52.00	9.01	6.49	231.00	0.00
ECSNP02	08/14/97	E	0.0	24.04	61.00	7.58	6.53	110.00	0.60
ECSNP03	08/14/97	E	0.0	23.86	60.00	8.21	6.59	134.00	0.00
ECSNP06	08/14/97	E	0.0	23.74	60.00	7.68	7.03	168.00	0.10

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP02	08/14/97	E	3.0	24.03	60.00	8.74	6.63	112.00	0.20
ECSNP03	08/14/97	E	3.0	23.85	60.00	8.45	6.60	132.00	0.00
ECSNP06	08/14/97	E	3.0	23.75	60.00	8.23	6.97	170.00	0.10
ECSNP02	08/14/97	E	6.0	24.08	60.00	8.82	6.66	111.00	NA
ECSNP03	08/14/97	E	6.0	23.84	60.00	8.54	6.57	133.00	0.00
ECSNP06	08/14/97	E	6.0	23.75	60.00	8.24	6.94	170.00	0.10
ECSNP03	08/14/97	E	9.0	23.82	60.00	8.40	6.62	131.00	0.10
ECSNP06	08/14/97	E	9.0	23.75	60.00	8.30	6.89	173.00	0.20
ECSNP03	08/14/97	E	12.0	23.79	60.00	8.40	6.63	132.00	0.10
ECSNP06	08/14/97	E	12.0	23.75	60.00	8.40	6.87	175.00	0.10
ECSNP03	08/14/97	E	15.0	23.75	60.00	8.37	6.60	134.00	0.30
ECSNP06	08/14/97	E	15.0	23.75	60.00	8.39	6.85	177.00	0.00
ECSNP03	08/14/97	E	18.0	23.71	60.00	8.53	6.62	134.00	0.10
ECSNP06	08/14/97	E	18.0	23.74	60.00	8.25	6.81	178.00	0.00
ECSNP03	08/14/97	E	21.0	23.50	60.00	8.26	6.54	137.00	0.10
ECSNP06	08/14/97	E	21.0	22.92	60.00	7.91	6.69	182.00	0.10
ECSNP03	08/14/97	H	24.0	20.59	59.00	7.09	6.28	150.00	0.10
ECSNP06	08/14/97	H	24.0	20.05	59.00	7.56	6.52	187.00	0.00
ECSNP07	08/15/97	E	0.0	24.10	56.00	7.92	6.75	147.00	0.60
ECSNP08	08/15/97	E	0.0	23.09	56.00	8.34	6.72	155.00	0.30
ECSNP07	08/15/97	E	3.0	23.75	56.00	7.93	6.68	146.00	0.60
ECSNP08	08/15/97	E	3.0	23.08	56.00	8.21	6.71	155.00	0.70
ECSNP07	08/15/97	E	6.0	23.62	56.00	7.88	6.62	147.00	0.50
ECSNP02	08/27/97	E	0.0	23.47	53.00	3.12	6.93	23.00	0.70
ECSNP03	08/27/97	E	0.0	23.34	54.00	6.72	7.52	118.00	0.50
ECSNP06	08/27/97	E	0.0	23.36	54.00	6.19	6.79	57.00	17.20
ECSNP07	08/27/97	E	0.0	23.74	54.00	0.00	6.85	82.00	0.30
ECSNP08	08/27/97	E	0.0	23.68	54.00	4.52	7.15	55.00	1.00
ECSNP02	08/27/97	E	3.0	23.43	53.00	6.33	6.87	34.00	0.60
ECSNP03	08/27/97	E	3.0	23.35	54.00	6.77	7.42	119.00	0.30
ECSNP06	08/27/97	E	3.0	23.40	54.00	6.32	6.82	60.00	0.50
ECSNP07	08/27/97	E	3.0	23.75	54.00	0.00	6.85	80.00	0.30
ECSNP08	08/27/97	E	3.0	23.68	54.00	5.04	7.07	57.00	0.60
ECSNP02	08/27/97	E	6.0	23.41	53.00	5.08	6.85	37.00	0.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP03	08/27/97	E	6.0	23.36	54.00	6.79	7.35	120.00	0.20
ECSNP06	08/27/97	E	6.0	23.39	54.00	6.27	6.81	67.00	0.40
ECSNP07	08/27/97	E	6.0	23.71	54.00	0.00	6.86	79.00	NA
ECSNP08	08/27/97	E	6.0	23.68	54.00	5.54	7.00	60.00	1.00
ECSNP03	08/27/97	E	9.0	23.36	54.00	6.82	7.30	121.00	0.20
ECSNP06	08/27/97	E	9.0	23.34	54.00	6.16	6.88	71.00	0.40
ECSNP08	08/27/97	E	9.0	23.66	54.00	5.70	6.96	63.00	4.30
ECSNP03	08/27/97	E	12.0	23.33	54.00	6.87	7.25	123.00	0.30
ECSNP06	08/27/97	E	12.0	23.18	54.00	6.02	6.79	75.00	0.40
ECSNP03	08/27/97	E	15.0	23.14	54.00	6.51	7.18	125.00	0.30
ECSNP06	08/27/97	E	15.0	23.13	53.00	5.89	6.78	78.00	0.40
ECSNP03	08/27/97	E	18.0	23.04	54.00	6.37	7.13	126.00	0.20
ECSNP06	08/27/97	E	18.0	23.03	53.00	5.70	6.76	83.00	0.50
ECSNP03	08/27/97	E	21.0	22.83	54.00	5.84	6.92	134.00	0.40
ECSNP06	08/27/97	E	21.0	22.74	53.00	5.14	6.67	89.00	0.50
ECSNP06	08/27/97	E	24.0	22.30	54.00	4.51	6.55	98.00	0.70
ECSNP06	08/27/97	H	27.0	20.31	54.00	0.00	6.29	65.00	1.50
ECSNP03	10/01/97	E	0.0	18.46	51.00	9.28	6.52	189.00	0.90
ECSNP08	10/01/97	E	0.0	17.68	51.00	9.30	6.58	103.00	0.40
ECSNP03	10/01/97	E	3.0	18.46	51.00	9.35	6.50	185.00	0.50
ECSNP08	10/01/97	E	3.0	17.70	51.00	9.17	6.43	134.00	0.40
ECSNP03	10/01/97	E	6.0	18.46	51.00	9.38	6.46	185.00	0.60
ECSNP08	10/01/97	E	6.0	17.71	51.00	9.15	6.40	141.00	0.50
ECSNP03	10/01/97	E	9.0	18.46	51.00	9.40	6.45	185.00	0.70
ECSNP03	10/01/97	E	12.0	18.45	51.00	9.41	6.47	184.00	0.50
ECSNP03	10/01/97	E	15.0	18.44	51.00	9.41	6.46	185.00	0.50
ECSNP03	10/01/97	E	18.0	18.42	51.00	9.40	6.45	186.00	0.90
ECSNP03	10/01/97	E	21.0	18.42	51.00	9.40	6.45	187.00	0.70
ECSNP03	10/01/97	E	24.0	18.43	51.00	9.41	6.41	190.00	0.60
ECSNP03	10/01/97	E	27.0	18.40	51.00	9.42	6.42	190.00	0.50
ECSNP03	10/01/97	E	30.0	18.34	51.00	9.42	6.41	191.00	0.40
ECSNP02	10/02/97	E	0.0	17.35	51.00	10.41	6.09	157.00	2.90
ECSNP06	10/02/97	E	0.0	17.87	51.00	9.59	7.06	139.00	0.90
ECSNP07	10/02/97	E	0.0	17.22	51.00	8.90	7.59	132.00	0.60

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP02	10/02/97	E	3.0	17.22	51.00	10.36	6.12	152.00	3.20
ECSNP06	10/02/97	E	3.0	17.89	51.00	9.12	7.13	137.00	0.60
ECSNP07	10/02/97	E	3.0	17.21	52.00	8.84	7.48	135.00	0.40
ECSNP06	10/02/97	E	6.0	17.92	51.00	9.02	7.10	137.00	0.60
ECSNP07	10/02/97	E	6.0	17.07	52.00	8.75	7.35	141.00	0.50
ECSNP06	10/02/97	E	9.0	17.92	51.00	8.99	7.07	141.00	0.60
ECSNP06	10/02/97	E	12.0	17.91	51.00	8.99	7.03	140.00	0.60
ECSNP06	10/02/97	E	15.0	17.91	51.00	8.98	7.01	141.00	0.50
ECSNP06	10/02/97	E	18.0	17.90	51.00	8.97	6.99	142.00	0.50
ECSNP06	10/02/97	E	21.0	17.90	51.00	8.95	6.96	147.00	0.60
ECSNP02	05/06/98	E	0.0	16.43	56.00	11.05	6.70	264.70	0.00
ECSNP06	05/06/98	E	0.0	16.44	56.00	10.52	6.75	301.90	0.40
ECSNP07	05/06/98	E	0.0	16.45	56.00	10.78	6.79	288.10	0.40
ECSNP08	05/06/98	E	0.0	16.74	56.00	10.08	7.51	138.40	0.10
ECSNP02	05/06/98	E	3.0	16.13	52.00	10.73	6.68	265.30	0.10
ECSNP06	05/06/98	E	3.0	16.45	51.00	10.48	6.77	295.40	0.70
ECSNP07	05/06/98	E	3.0	16.47	56.00	10.38	6.69	287.90	9.20
ECSNP08	05/06/98	E	3.0	16.74	56.00	9.99	7.22	174.00	0.20
ECSNP02	05/06/98	E	6.0	16.01	56.00	10.70	6.69	266.80	31.50
ECSNP06	05/06/98	E	6.0	16.42	56.00	10.46	6.75	295.20	0.10
ECSNP07	05/06/98	E	6.0	16.47	56.00	10.39	6.66	288.00	6.30
ECSNP06	05/06/98	E	9.0	16.40	56.00	10.44	6.75	287.70	0.10
ECSNP07	05/06/98	E	9.0	16.31	56.00	9.63	6.47	189.40	6.90
ECSNP06	05/06/98	E	12.0	16.12	56.00	10.59	6.74	297.10	0.00
ECSNP06	05/06/98	H	15.0	14.25	56.00	11.04	6.71	302.60	0.10
ECSNP06	05/06/98	H	18.0	13.11	56.00	11.09	6.63	310.40	0.10
ECSNP06	05/06/98	E	21.0	12.58	49.00	11.03	6.57	315.70	0.20
ECSNP03	05/07/98	E	0.0	16.36	49.00	10.33	7.31	307.00	0.90
ECSNP03	05/07/98	E	3.0	16.36	53.00	10.17	7.10	320.10	0.80
ECSNP03	05/07/98	E	6.0	16.32	53.00	10.17	6.77	329.40	1.30
ECSNP03	05/07/98	E	9.0	16.22	53.00	10.24	6.70	332.20	0.50
ECSNP03	05/07/98	E	12.0	15.44	53.00	10.32	6.85	336.90	0.50
ECSNP03	05/07/98	H	15.0	14.39	53.00	10.47	6.78	339.80	0.50
ECSNP03	05/07/98	H	18.0	13.44	53.00	10.59	6.73	345.30	0.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP03	05/07/98	H	21.0	12.87	53.00	10.37	6.61	351.70	0.80
ECSNP03	05/07/98	H	24.0	12.52	53.00	10.21	6.53	355.90	0.10
ECSNP02	06/15/98	E	0.0	19.88	60.00	9.81	6.13	240.60	0.80
ECSNP03	06/15/98	E	0.0	19.60	60.00	9.20	6.08	234.80	0.80
ECSNP06	06/15/98	E	0.0	20.13	60.00	9.42	5.75	245.20	1.20
ECSNP07	06/15/98	E	0.0	19.44	60.00	9.19	6.30	265.40	0.60
ECSNP08	06/15/98	E	0.0	19.42	59.00	8.96	7.21	268.30	0.90
ECSNP02	06/15/98	E	3.0	19.58	60.00	9.36	5.99	246.60	1.00
ECSNP03	06/15/98	E	3.0	19.61	60.00	9.12	5.99	238.80	0.80
ECSNP06	06/15/98	E	3.0	20.11	60.00	9.28	5.73	249.60	0.90
ECSNP07	06/15/98	E	3.0	19.45	60.00	9.02	6.25	265.70	0.60
ECSNP08	06/15/98	E	3.0	19.36	59.00	8.61	6.61	282.40	1.30
ECSNP02	06/15/98	E	6.0	19.49	60.00	9.18	5.87	253.30	0.90
ECSNP03	06/15/98	E	6.0	19.56	60.00	9.04	5.93	242.20	1.00
ECSNP06	06/15/98	E	6.0	20.06	60.00	9.21	5.71	253.80	0.80
ECSNP07	06/15/98	E	6.0	19.44	60.00	8.79	6.19	257.60	9.80
ECSNP02	06/15/98	E	9.0	19.47	60.00	9.06	5.83	253.10	NA
ECSNP03	06/15/98	E	9.0	19.49	60.00	8.97	5.93	243.60	1.00
ECSNP06	06/15/98	E	9.0	19.99	60.00	9.16	5.73	254.80	1.00
ECSNP03	06/15/98	E	12.0	19.44	60.00	8.92	5.94	244.60	0.80
ECSNP06	06/15/98	E	12.0	19.94	60.00	9.14	5.66	260.00	0.80
ECSNP03	06/15/98	E	15.0	19.41	60.00	8.89	5.86	250.50	0.70
ECSNP06	06/15/98	E	15.0	19.72	60.00	9.12	5.66	260.90	0.80
ECSNP03	06/15/98	E	18.0	19.34	60.00	8.81	5.84	254.50	0.80
ECSNP06	06/15/98	E	18.0	19.60	60.00	9.07	5.61	266.00	0.80
ECSNP03	06/15/98	H	21.0	17.60	61.00	8.72	5.83	255.50	0.70
ECSNP06	06/15/98	H	21.0	19.25	60.00	9.04	5.65	263.70	0.80
ECSNP03	06/15/98	H	24.0	14.19	60.00	8.75	5.81	259.30	0.70
ECSNP03	06/15/98	H	27.0	13.58	60.00	7.97	5.67	266.70	0.50
ECSNP03	06/15/98	H	30.0	13.27	61.00	6.17	5.45	205.10	0.60
ECSNP03	06/15/98	H	33.0	12.73	61.00	3.30	5.37	192.20	1.60
ECSNP03	06/15/98	H	36.0	12.51	62.00	2.24	5.44	176.20	6.10
ECSNP02	08/03/98	E	0.0	25.13	56.00	8.16	6.70	22.70	0.30
ECSNP03	08/03/98	E	0.0	24.83	56.00	8.42	6.77	210.20	0.40

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP06	08/03/98	E	0.0	25.04	56.00	8.10	6.33	158.00	0.20
ECSNP07	08/03/98	E	0.0	25.75	55.00	8.99	6.30	263.20	0.90
ECSNP08	08/03/98	E	0.0	25.63	55.00	8.25	6.35	270.80	0.50
ECSNP02	08/03/98	E	3.0	25.02	56.00	7.95	6.56	45.80	0.20
ECSNP03	08/03/98	E	3.0	24.84	56.00	8.32	6.76	207.60	0.30
ECSNP06	08/03/98	E	3.0	24.96	56.00	8.09	6.37	157.40	0.20
ECSNP07	08/03/98	E	3.0	25.69	55.00	8.71	6.31	254.50	0.90
ECSNP08	08/03/98	E	3.0	25.46	55.00	8.23	6.35	267.00	0.40
ECSNP02	08/03/98	E	6.0	24.88	56.00	7.92	6.49	63.60	0.30
ECSNP03	08/03/98	E	6.0	24.84	57.00	8.22	6.68	208.50	0.20
ECSNP06	08/03/98	E	6.0	24.85	56.00	8.10	6.37	158.70	0.30
ECSNP08	08/03/98	E	6.0	24.99	55.00	8.14	6.31	264.50	0.20
ECSNP03	08/03/98	E	9.0	24.80	56.00	8.14	6.68	206.50	0.30
ECSNP06	08/03/98	E	9.0	24.80	56.00	7.92	6.37	164.10	0.20
ECSNP03	08/03/98	E	12.0	24.76	56.00	8.08	6.62	207.70	0.30
ECSNP06	08/03/98	E	12.0	24.70	56.00	7.78	6.35	167.00	0.20
ECSNP03	08/03/98	E	15.0	24.67	56.00	7.93	6.55	209.30	0.30
ECSNP06	08/03/98	E	15.0	24.52	56.00	7.46	6.28	174.20	0.10
ECSNP03	08/03/98	E	18.0	24.30	56.00	7.40	6.49	210.10	0.20
ECSNP06	08/03/98	E	18.0	24.15	56.00	7.21	6.23	179.80	0.00
ECSNP03	08/03/98	H	21.0	19.71	55.00	2.09	5.88	233.00	0.00
ECSNP06	08/03/98	H	21.0	20.59	55.00	2.07	5.83	210.90	0.00
ECSNP03	08/03/98	H	24.0	16.97	55.00	2.22	5.69	235.90	0.70
ECSNP06	08/03/98	H	24.0	17.50	55.00	2.36	5.67	226.30	0.00
ECSNP06	08/03/98	H	27.0	15.41	56.00	1.21	5.70	215.90	1.50
ECSNP03	09/21/98	E	0.0	22.15	54.00	9.05	6.37	341.80	5.00
ECSNP06	09/21/98	E	0.0	22.58	54.00	8.99	6.48	329.40	0.00
ECSNP07	09/21/98	E	0.0	22.23	54.00	9.36	6.19	361.10	0.20
ECSNP08	09/21/98	E	0.0	22.30	54.00	8.30	6.26	369.00	0.50
ECSNP03	09/21/98	E	3.0	22.15	54.00	8.92	6.54	333.70	0.00
ECSNP06	09/21/98	E	3.0	22.56	54.00	8.90	6.53	324.80	0.00
ECSNP07	09/21/98	E	3.0	22.24	54.00	9.15	6.40	342.60	0.50
ECSNP08	09/21/98	E	3.0	22.31	54.00	8.25	6.34	360.80	0.50
ECSNP03	09/21/98	E	6.0	22.15	54.00	8.91	6.51	334.90	0.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP06	09/21/98	E	6.0	22.41	54.00	8.79	6.58	319.90	0.00
ECSNP07	09/21/98	E	6.0	22.23	54.00	9.06	6.40	340.10	0.00
ECSNP08	09/21/98	E	6.0	22.29	54.00	8.17	6.30	364.80	0.00
ECSNP03	09/21/98	E	9.0	22.13	54.00	8.83	6.54	335.70	0.00
ECSNP06	09/21/98	E	9.0	22.17	54.00	8.69	6.58	321.70	0.00
ECSNP03	09/21/98	E	12.0	22.14	54.00	8.82	6.51	337.60	0.00
ECSNP06	09/21/98	E	12.0	21.91	54.00	8.57	6.53	326.80	0.00
ECSNP03	09/21/98	E	15.0	22.15	54.00	8.75	6.48	340.40	0.00
ECSNP06	09/21/98	E	15.0	21.82	54.00	8.45	6.46	332.80	0.00
ECSNP03	09/21/98	E	18.0	21.81	54.00	8.68	6.41	348.20	0.00
ECSNP06	09/21/98	E	18.0	21.72	54.00	8.38	6.41	338.40	0.00
ECSNP03	09/21/98	E	21.0	21.66	54.00	8.48	6.37	354.40	0.00
ECSNP06	09/21/98	E	21.0	21.59	54.00	8.16	6.30	349.40	0.00
ECSNP03	09/21/98	E	24.0	20.74	54.00	6.61	5.95	382.50	0.00
ECSNP06	09/21/98	E	24.0	21.24	54.00	7.45	6.11	362.80	0.00
ECSNP03	09/21/98	H	27.0	16.41	54.00	0.47	5.12	431.60	0.00
ECSNP03	09/21/98	H	30.0	14.59	54.00	0.54	5.29	413.60	0.00
ECSNP03	09/21/98	H	33.0	13.62	66.00	0.28	5.60	246.90	4.60
ECSNP02	09/22/98	E	0.0	22.32	55.00	8.49	7.21	198.40	0.60
ECSNP02	09/22/98	E	3.0	22.32	56.00	8.16	7.20	197.30	0.60
ECSNP02	09/22/98	E	6.0	22.31	55.00	8.37	7.19	196.90	0.40
ECSNP02	11/09/98	E	0.0	10.57	54.00	11.50	6.60	288.40	0.60
ECSNP03	11/09/98	E	0.0	10.49	54.00	10.72	6.75	355.90	0.70
ECSNP06	11/09/98	E	0.0	10.54	54.00	10.40	6.70	183.30	0.80
ECSNP07	11/09/98	E	0.0	9.87	54.00	11.29	6.75	357.80	0.50
ECSNP08	11/09/98	E	0.0	9.55	55.00	10.71	7.20	328.70	0.60
ECSNP02	11/09/98	E	3.0	10.56	54.00	10.55	6.66	282.40	0.90
ECSNP03	11/09/98	E	3.0	10.51	54.00	10.60	6.77	355.60	0.70
ECSNP06	11/09/98	E	3.0	10.56	54.00	10.35	6.72	193.40	0.60
ECSNP07	11/09/98	E	3.0	9.86	54.00	10.52	6.80	356.70	0.60
ECSNP08	11/09/98	E	3.0	9.49	55.00	10.42	6.96	348.10	0.50
ECSNP02	11/09/98	E	6.0	10.56	54.00	10.42	6.69	290.80	5.90
ECSNP03	11/09/98	E	6.0	10.50	54.00	10.50	6.77	356.50	0.90
ECSNP06	11/09/98	E	6.0	10.52	54.00	10.34	6.73	208.90	0.60

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECSNP07	11/09/98	E	6.0	9.84	54.00	10.44	6.81	355.90	0.50
ECSNP08	11/09/98	E	6.0	9.43	54.00	10.24	6.94	348.90	0.50
ECSNP03	11/09/98	E	9.0	10.49	54.00	10.45	6.77	361.40	0.80
ECSNP06	11/09/98	E	9.0	10.45	54.00	10.30	6.73	236.30	0.60
ECSNP07	11/09/98	E	9.0	9.83	54.00	10.39	6.81	355.70	NA
ECSNP03	11/09/98	E	12.0	10.48	54.00	10.43	6.77	358.90	0.80
ECSNP06	11/09/98	E	12.0	10.43	54.00	10.31	6.73	247.90	0.70
ECSNP03	11/09/98	E	15.0	10.48	54.00	10.42	6.76	358.30	0.80
ECSNP06	11/09/98	E	15.0	10.41	54.00	10.29	6.73	254.90	1.00
ECSNP03	11/09/98	E	18.0	10.48	54.00	10.40	6.76	359.00	0.60
ECSNP06	11/09/98	E	18.0	10.40	54.00	10.30	6.73	263.80	0.70
ECSNP03	11/09/98	E	21.0	10.46	54.00	10.36	6.76	360.50	0.90
ECSNP06	11/09/98	E	21.0	10.40	54.00	10.30	6.72	268.70	0.80
ECSNP03	11/09/98	E	24.0	10.41	54.00	10.34	6.75	362.30	0.70
ECSNP06	11/09/98	E	24.0	10.36	54.00	10.32	6.72	274.10	0.80
ECSNP03	11/09/98	E	27.0	10.39	54.00	10.32	6.75	363.70	0.90
ECSNP03	11/09/98	E	30.0	10.34	54.00	10.30	6.74	365.30	0.80
ECSNP03	11/09/98	E	33.0	10.23	54.00	10.29	6.74	367.30	0.90
ECSNP03	11/09/98	E	36.0	10.23	54.00	10.27	6.72	368.30	1.30
Peters Pond (Reference Area)									
ECPTP02	07/09/97	E	0.0	25.72	79.00	8.60	7.10	52.00	0.00
ECPTP04	07/09/97	E	0.0	25.65	82.00	8.42	7.07	-1.00	0.00
ECPTP02	07/09/97	E	3.0	25.64	79.00	8.63	7.16	54.00	1.00
ECPTP04	07/09/97	E	3.0	25.65	82.00	8.46	7.13	13.00	0.00
ECPTP02	07/09/97	E	6.0	25.62	78.00	8.58	7.16	55.00	1.00
ECPTP04	07/09/97	E	6.0	25.62	83.00	8.50	7.16	25.00	0.00
ECPTP02	07/09/97	E	9.0	25.54	79.00	8.56	7.17	57.00	0.00
ECPTP04	07/09/97	E	9.0	25.61	82.00	8.42	7.18	30.00	0.00
ECPTP02	07/09/97	E	12.0	25.50	79.00	8.63	7.18	60.00	0.00
ECPTP04	07/09/97	E	12.0	25.55	82.00	8.41	7.18	35.00	0.00
ECPTP02	07/09/97	H	15.0	25.47	79.00	8.65	7.18	61.00	0.00
ECPTP04	07/09/97	H	15.0	25.01	82.00	8.88	7.22	38.00	0.00
ECPTP02	07/09/97	H	18.0	25.40	78.00	8.71	7.19	63.00	0.00
ECPTP04	07/09/97	H	18.0	22.00	81.00	10.98	7.56	39.00	0.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP04	07/09/97	H	21.0	19.82	79.00	11.30	7.62	43.00	0.00
ECPTP04	07/09/97	H	24.0	17.66	79.00	11.58	7.61	47.00	2.00
ECPTP04	07/09/97	H	27.0	16.50	79.00	11.35	7.52	52.00	0.00
ECPTP04	07/09/97	H	30.0	15.40	80.00	11.80	7.42	57.00	0.00
ECPTP04	07/09/97	H	33.0	14.17	79.00	11.74	7.36	63.00	1.00
ECPTP04	07/09/97	H	36.0	12.65	79.00	5.23	6.82	85.00	1.00
ECPTP04	07/09/97	H	39.0	12.09	79.00	5.21	6.59	95.00	1.00
ECPTP04	07/09/97	H	42.0	11.34	79.00	3.57	6.41	7.00	2.00
ECPTP01	07/10/97	E	0.0	25.63	82.00	8.87	6.98	64.90	0.60
ECPTP03	07/10/97	E	0.0	25.28	83.00	9.16	7.01	47.70	0.50
ECPTP05	07/10/97	E	0.0	25.40	84.00	9.71	6.98	-27.00	1.00
ECPTP01	07/10/97	E	3.0	25.61	82.00	8.91	7.07	61.70	0.90
ECPTP03	07/10/97	E	3.0	25.30	83.00	9.19	7.09	44.90	0.70
ECPTP05	07/10/97	E	3.0	25.43	84.00	9.79	7.04	-16.00	0.00
ECPTP01	07/10/97	E	6.0	25.56	82.00	8.92	7.09	62.80	0.50
ECPTP03	07/10/97	E	6.0	25.32	83.00	9.21	7.10	46.30	0.40
ECPTP05	07/10/97	E	6.0	25.45	84.00	9.81	7.08	-10.00	0.00
ECPTP01	07/10/97	E	9.0	25.47	82.00	8.92	7.10	64.20	0.80
ECPTP03	07/10/97	E	9.0	25.32	83.00	9.19	7.11	46.70	0.20
ECPTP05	07/10/97	E	9.0	25.46	84.00	9.84	7.10	1.00	0.00
ECPTP01	07/10/97	E	12.0	25.27	82.00	9.00	7.10	67.30	1.40
ECPTP03	07/10/97	E	12.0	25.31	82.00	9.18	7.11	49.30	3.30
ECPTP05	07/10/97	E	12.0	25.47	83.00	9.86	7.11	8.00	0.00
ECPTP01	07/10/97	H	15.0	25.12	82.00	9.12	7.11	68.20	2.40
ECPTP03	07/10/97	H	15.0	25.25	83.00	8.59	7.00	55.20	6.90
ECPTP05	07/10/97	E	15.0	25.46	84.00	9.88	7.12	18.00	0.00
ECPTP01	07/10/97	H	18.0	22.17	81.00	5.75	6.65	90.20	3.00
ECPTP05	07/10/97	H	18.0	24.88	84.00	10.35	7.14	25.00	1.00
ECPTP05	07/10/97	H	21.0	19.05	81.00	13.15	7.33	31.00	4.00
ECPTP05	07/10/97	H	24.0	17.03	81.00	13.26	7.37	37.00	0.00
ECPTP05	07/10/97	H	27.0	16.04	80.00	12.90	7.31	44.00	0.00
ECPTP05	07/10/97	H	30.0	15.40	80.00	12.51	7.22	52.00	1.00
ECPTP05	07/10/97	H	33.0	15.01	77.00	11.71	7.09	61.00	0.00
ECPTP05	07/10/97	H	36.0	14.68	79.00	6.34	6.70	81.00	1.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP05	07/10/97	H	39.0	11.93	81.00	2.53	6.41	91.00	1.00
ECPTP05	07/10/97	H	42.0	11.11	87.00	1.00	6.29	-5.00	4.00
ECPTP05	07/10/97	H	45.0	10.66	91.00	0.67	6.36	-68.00	6.00
ECPTP05	07/10/97	H	48.0	10.39	94.00	0.59	6.38	-88.00	8.00
ECPTP05	07/10/97	H	51.0	10.34	94.00	0.52	6.40	-97.00	10.00
ECPTP01	08/20/97	E	0.0	24.52	81.00	8.43	6.99	147.00	1.20
ECPTP02	08/20/97	E	0.0	24.55	81.00	8.75	6.54	206.00	0.90
ECPTP04	08/20/97	E	0.0	24.38	81.00	8.40	7.09	183.00	0.80
ECPTP01	08/20/97	E	3.0	24.52	81.00	8.37	7.03	142.00	1.00
ECPTP02	08/20/97	E	3.0	24.56	81.00	8.68	6.67	196.00	0.90
ECPTP04	08/20/97	E	3.0	24.38	81.00	8.35	7.09	177.00	0.80
ECPTP01	08/20/97	E	6.0	24.45	81.00	8.36	7.03	142.00	1.50
ECPTP02	08/20/97	E	6.0	24.56	81.00	8.62	6.79	189.00	0.80
ECPTP04	08/20/97	E	6.0	24.36	81.00	8.32	7.09	177.00	0.60
ECPTP01	08/20/97	E	9.0	24.41	81.00	8.34	7.01	143.00	3.30
ECPTP02	08/20/97	E	9.0	24.54	81.00	8.60	6.85	187.00	0.80
ECPTP04	08/20/97	E	9.0	24.36	81.00	8.30	7.09	176.00	0.70
ECPTP02	08/20/97	E	12.0	24.50	81.00	8.59	6.87	186.00	0.80
ECPTP04	08/20/97	E	12.0	24.33	81.00	8.30	7.09	177.00	0.90
ECPTP02	08/20/97	E	15.0	24.49	81.00	8.56	6.89	186.00	0.80
ECPTP04	08/20/97	E	15.0	24.27	81.00	8.25	7.08	178.00	0.80
ECPTP02	08/20/97	E	18.0	24.30	81.00	8.62	6.89	187.00	1.30
ECPTP04	08/20/97	E	18.0	24.23	81.00	8.27	7.07	179.00	1.00
ECPTP02	08/20/97	E	21.0	24.23	81.00	8.56	6.83	191.00	1.10
ECPTP04	08/20/97	E	21.0	24.10	81.00	8.34	7.07	179.00	0.90
ECPTP02	08/20/97	H	24.0	24.17	82.00	8.62	6.83	191.00	0.80
ECPTP04	08/20/97	H	24.0	22.65	81.00	9.17	7.07	181.00	1.00
ECPTP02	08/20/97	H	27.0	19.96	81.00	9.73	6.52	212.00	0.90
ECPTP04	08/20/97	H	27.0	18.94	79.00	10.60	7.08	184.00	0.90
ECPTP04	08/20/97	H	30.0	16.56	79.00	11.22	7.06	188.00	1.00
ECPTP04	08/20/97	H	33.0	14.88	79.00	9.95	6.99	192.00	1.20
ECPTP04	08/20/97	H	36.0	13.74	80.00	3.23	6.44	208.00	1.20
ECPTP04	08/20/97	H	39.0	12.47	81.00	0.40	6.28	191.00	2.10
ECPTP04	08/20/97	H	42.0	11.71	89.00	0.20	6.22	55.00	8.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP03	08/22/97	E	0.0	23.02	78.00	8.48	7.14	212.00	0.40
ECPTP05	08/22/97	E	0.0	23.22	79.00	9.43	7.01	190.00	0.00
ECPTP03	08/22/97	E	3.0	23.03	78.00	8.57	7.18	203.00	0.00
ECPTP05	08/22/97	E	3.0	23.22	78.00	9.10	7.11	175.00	0.00
ECPTP03	08/22/97	E	6.0	23.03	78.00	8.56	7.20	199.00	0.10
ECPTP05	08/22/97	E	6.0	23.16	78.00	9.06	7.14	175.00	0.10
ECPTP03	08/22/97	E	9.0	23.03	78.00	8.56	7.20	197.00	0.30
ECPTP05	08/22/97	E	9.0	23.15	78.00	8.98	7.16	174.00	0.00
ECPTP03	08/22/97	E	12.0	23.02	78.00	8.53	7.20	197.00	1.40
ECPTP05	08/22/97	E	12.0	23.13	78.00	8.97	7.15	174.00	0.00
ECPTP03	08/22/97	E	15.0	23.02	79.00	8.53	7.19	197.00	0.10
ECPTP05	08/22/97	E	15.0	23.12	79.00	8.95	7.14	175.00	0.10
ECPTP03	08/22/97	E	18.0	23.02	78.00	8.52	7.19	197.00	0.20
ECPTP05	08/22/97	E	18.0	23.08	78.00	8.89	7.16	174.00	0.00
ECPTP03	08/22/97	E	21.0	23.01	78.00	8.52	7.18	197.00	0.30
ECPTP05	08/22/97	E	21.0	23.05	78.00	8.86	7.16	174.00	0.20
ECPTP03	08/22/97	H	24.0	22.99	78.00	8.49	7.17	198.00	0.00
ECPTP05	08/22/97	H	24.0	22.71	78.00	8.80	7.16	175.00	0.20
ECPTP03	08/22/97	H	27.0	19.92	78.00	10.35	7.10	203.00	0.20
ECPTP05	08/22/97	H	27.0	21.50	79.00	9.85	7.09	179.00	0.30
ECPTP03	08/22/97	H	30.0	16.67	77.00	11.11	7.00	210.00	0.30
ECPTP05	08/22/97	H	30.0	16.94	77.00	11.42	7.10	183.00	0.50
ECPTP03	08/22/97	H	33.0	14.83	77.00	8.54	6.84	212.00	0.80
ECPTP03	08/22/97	H	36.0	13.47	78.00	2.38	6.41	217.00	1.00
ECPTP04	09/03/97	E	0.0	23.34	84.00	12.02	7.24	-38.00	0.20
ECPTP04	09/03/97	E	3.0	23.34	84.00	9.12	7.19	-35.00	0.60
ECPTP04	09/03/97	E	6.0	23.41	84.00	9.05	7.20	-34.00	0.60
ECPTP04	09/03/97	E	9.0	23.41	84.00	9.00	7.21	-31.00	0.50
ECPTP04	09/03/97	E	12.0	23.41	84.00	8.95	7.21	-28.00	0.40
ECPTP04	09/03/97	E	15.0	23.41	84.00	8.88	7.21	-24.00	0.60
ECPTP04	09/03/97	E	18.0	23.40	84.00	8.83	7.22	-18.00	0.60
ECPTP04	09/03/97	E	21.0	23.39	84.00	8.81	7.21	-16.00	0.60
ECPTP04	09/03/97	E	24.0	23.25	84.00	8.70	7.18	-10.00	0.90
ECPTP04	09/03/97	E	27.0	22.40	85.00	8.80	7.12	-4.00	1.30

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP04	09/03/97	H	30.0	17.53	82.00	10.24	7.03	7.00	2.60
ECPTP04	09/03/97	H	33.0	15.01	83.00	8.04	6.57	14.00	1.80
ECPTP05	09/04/97	E	0.0	22.79	84.00	8.82	7.64	108.00	0.80
ECPTP05	09/04/97	E	3.0	22.81	84.00	8.82	7.50	114.00	0.90
ECPTP05	09/04/97	E	6.0	22.82	83.00	8.78	7.43	118.00	0.60
ECPTP05	09/04/97	E	9.0	22.82	83.00	8.76	7.38	120.00	0.90
ECPTP05	09/04/97	E	12.0	22.81	83.00	8.75	7.35	122.00	0.60
ECPTP05	09/04/97	E	15.0	22.81	83.00	8.73	7.32	125.00	0.90
ECPTP05	09/04/97	E	18.0	22.80	82.00	8.73	7.30	127.00	0.60
ECPTP05	09/04/97	E	20.8	22.78	82.00	8.69	7.26	130.00	1.10
ECPTP01	09/05/97	E	0.0	22.45	82.00	8.82	7.32	152.00	3.00
ECPTP02	09/05/97	E	0.0	22.29	83.00	8.71	7.22	169.00	0.80
ECPTP03	09/05/97	E	0.0	22.59	82.00	8.63	7.26	165.00	0.30
ECPTP01	09/05/97	E	3.0	22.44	82.00	8.71	7.28	153.00	1.70
ECPTP02	09/05/97	E	3.0	22.30	83.00	8.71	7.16	173.00	0.40
ECPTP03	09/05/97	E	3.0	22.41	82.00	8.68	7.22	167.00	0.40
ECPTP01	09/05/97	E	6.0	22.43	82.00	8.64	7.24	156.00	1.20
ECPTP02	09/05/97	E	6.0	22.29	83.00	8.68	7.12	177.00	0.60
ECPTP03	09/05/97	E	6.0	22.36	82.00	8.69	7.19	171.00	0.50
ECPTP01	09/05/97	E	9.0	22.41	82.00	8.56	7.20	161.00	3.40
ECPTP02	09/05/97	E	9.0	22.29	83.00	8.66	7.11	178.00	0.50
ECPTP03	09/05/97	E	9.0	22.31	82.00	8.64	7.16	173.00	0.40
ECPTP02	09/05/97	E	12.0	22.28	83.00	8.63	7.09	180.00	0.30
ECPTP03	09/05/97	E	12.0	22.31	82.00	8.59	7.15	176.00	0.80
ECPTP02	09/05/97	E	15.0	22.27	83.00	8.65	7.08	181.00	0.10
ECPTP01	10/06/97	E	0.0	18.39	74.00	7.49	7.14	92.00	0.00
ECPTP01	10/06/97	E	3.0	18.38	74.00	7.56	7.19	88.00	0.00
ECPTP01	10/06/97	E	6.0	18.36	74.00	7.30	7.21	89.00	0.00
ECPTP01	10/06/97	E	9.0	18.35	74.00	7.29	7.21	92.00	0.00
ECPTP01	10/06/97	E	12.0	18.29	74.00	7.30	7.22	95.00	0.00
ECPTP01	10/06/97	E	15.0	18.21	74.00	7.41	7.22	97.00	0.00
ECPTP01	10/06/97	E	18.0	18.09	74.00	6.72	7.25	101.00	17.50
ECPTP02	10/07/97	E	0.0	18.09	73.00	9.65	7.07	175.00	1.40

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP03	10/07/97	E	0.0	25.28	83.00	9.16	7.01	48.00	2.80
ECPTP03	10/07/97	E	0.0	18.46	73.00	9.29	7.02	39.00	0.00
ECPTP04	10/07/97	E	0.0	18.15	73.00	9.48	7.00	126.00	2.50
ECPTP05	10/07/97	E	0.0	18.00	73.00	9.07	7.67	151.00	0.40
ECPTP02	10/07/97	E	3.0	18.07	73.00	9.36	7.13	170.00	1.70
ECPTP03	10/07/97	E	3.0	18.27	73.00	9.16	7.09	36.00	2.90
ECPTP04	10/07/97	E	3.0	18.16	73.00	9.23	7.13	121.00	2.40
ECPTP05	10/07/97	E	3.0	18.02	73.00	9.05	7.70	143.00	1.10
ECPTP02	10/07/97	E	6.0	18.06	73.00	9.27	7.12	170.00	1.90
ECPTP03	10/07/97	E	6.0	18.15	73.00	9.10	7.10	37.00	3.20
ECPTP04	10/07/97	E	6.0	18.09	73.00	9.16	7.12	123.00	3.20
ECPTP05	10/07/97	E	6.0	18.02	73.00	9.03	7.67	142.00	1.30
ECPTP02	10/07/97	E	9.0	18.06	73.00	9.23	7.12	171.00	2.20
ECPTP03	10/07/97	E	9.0	18.08	73.00	9.05	7.10	39.00	3.10
ECPTP04	10/07/97	E	9.0	18.03	73.00	9.08	7.10	125.00	2.90
ECPTP05	10/07/97	E	9.0	18.01	73.00	9.09	7.59	143.00	1.80
ECPTP02	10/07/97	E	12.0	18.05	73.00	9.15	7.12	172.00	2.40
ECPTP03	10/07/97	E	12.0	18.04	73.00	9.01	7.06	43.00	3.50
ECPTP04	10/07/97	E	12.0	18.03	73.00	9.07	7.11	126.00	2.90
ECPTP05	10/07/97	E	12.0	18.01	73.00	9.04	7.53	145.00	2.40
ECPTP02	10/07/97	E	15.0	17.98	74.00	8.95	7.10	172.00	2.70
ECPTP03	10/07/97	E	15.0	17.93	73.00	8.92	7.08	45.00	3.50
ECPTP04	10/07/97	E	15.0	18.01	73.00	9.02	7.11	127.00	3.10
ECPTP05	10/07/97	E	15.0	18.01	73.00	9.04	7.45	147.00	2.30
ECPTP02	10/07/97	E	18.0	17.90	73.00	8.97	7.01	177.00	2.80
ECPTP03	10/07/97	E	18.0	17.93	73.00	8.90	7.05	48.00	3.50
ECPTP04	10/07/97	E	18.0	18.00	73.00	9.03	7.07	129.00	3.40
ECPTP05	10/07/97	E	18.0	17.96	73.00	9.01	7.45	147.00	2.00
ECPTP02	10/07/97	E	21.0	17.85	73.00	8.94	7.00	176.00	2.90
ECPTP03	10/07/97	E	21.0	17.91	73.00	8.88	7.03	51.00	3.90
ECPTP04	10/07/97	E	21.0	17.91	73.00	8.96	7.12	128.00	3.50
ECPTP05	10/07/97	E	21.0	17.91	73.00	8.94	7.43	148.00	2.10
ECPTP02	10/07/97	E	24.0	17.84	73.00	8.91	7.01	176.00	2.90
ECPTP03	10/07/97	E	24.0	17.85	73.00	8.79	7.02	53.00	3.70

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mv)	Turbidity (NTU)
ECPTP04	10/07/97	E	24.0	17.86	73.00	8.96	7.11	130.00	4.20
ECPTP05	10/07/97	E	24.0	17.85	73.00	8.92	7.39	150.00	2.20
ECPTP02	10/07/97	E	27.0	17.82	73.00	8.89	7.00	178.00	3.30
ECPTP04	10/07/97	E	27.0	17.83	73.00	8.92	7.08	132.00	3.50
ECPTP05	10/07/97	E	27.0	17.82	73.00	8.89	7.38	149.00	2.30
ECPTP02	10/07/97	E	30.0	17.82	73.00	8.87	7.04	175.00	2.80
ECPTP04	10/07/97	E	30.0	17.77	73.00	8.69	7.04	134.00	3.80
ECPTP02	10/07/97	E	33.0	17.69	73.00	8.57	6.98	178.00	3.10
ECPTP04	10/07/97	E	33.0	17.57	73.00	8.28	7.00	136.00	3.80
ECPTP02	10/07/97	H	36.0	15.50	73.00	1.40	6.46	192.00	8.70
ECPTP04	10/07/97	H	36.0	16.12	73.00	4.09	6.79	141.00	6.80
ECPTP02	10/07/97	H	39.0	12.55	79.00	0.68	6.14	192.00	7.60
ECPTP04	10/07/97	H	39.0	13.43	77.00	1.19	6.55	142.00	5.70
ECPTP01	05/19/98	E	0.0	16.83	78.00	11.15	7.67	185.40	0.00
ECPTP02	05/19/98	E	0.0	15.93	79.00	11.18	7.60	209.70	0.00
ECPTP04	05/19/98	E	0.0	16.18	79.00	11.17	7.57	175.10	0.00
ECPTP01	05/19/98	E	3.0	16.80	78.00	11.07	7.63	192.00	0.00
ECPTP02	05/19/98	E	3.0	15.86	79.00	11.04	7.50	219.00	0.00
ECPTP04	05/19/98	E	3.0	16.16	78.00	11.07	7.52	183.60	0.00
ECPTP01	05/19/98	E	6.0	16.51	78.00	11.09	7.59	199.00	0.00
ECPTP02	05/19/98	E	6.0	15.63	79.00	11.10	7.48	223.50	0.00
ECPTP04	05/19/98	E	6.0	16.17	78.00	11.02	7.48	190.90	0.00
ECPTP01	05/19/98	E	9.0	16.24	77.00	11.14	7.56	203.10	0.00
ECPTP02	05/19/98	E	9.0	15.06	78.00	11.20	7.48	224.80	0.00
ECPTP04	05/19/98	E	9.0	16.16	78.00	10.98	7.46	196.50	0.00
ECPTP01	05/19/98	E	12.0	15.73	77.00	11.20	7.55	205.60	0.00
ECPTP02	05/19/98	E	12.0	14.53	78.00	11.53	7.53	230.80	0.00
ECPTP04	05/19/98	E	12.0	16.15	78.00	10.95	7.44	201.40	0.00
ECPTP01	05/19/98	H	15.0	14.44	78.00	11.38	7.55	208.90	9.20
ECPTP02	05/19/98	H	15.0	13.76	78.00	12.35	7.63	215.90	0.00
ECPTP04	05/19/98	H	15.0	16.14	78.00	10.94	7.42	205.00	0.00
ECPTP02	05/19/98	H	18.0	13.52	78.00	11.72	7.61	221.40	0.00
ECPTP04	05/19/98	H	18.0	16.10	79.00	10.93	7.41	209.30	0.00
ECPTP02	05/19/98	H	21.0	13.13	78.00	11.69	7.59	224.60	0.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP04	05/19/98	H	21.0	16.07	78.00	10.93	7.39	211.70	0.00
ECPTP02	05/19/98	H	24.0	12.79	78.00	11.60	7.59	226.90	0.00
ECPTP04	05/19/98	H	24.0	13.76	78.00	11.55	7.59	218.40	0.00
ECPTP02	05/19/98	H	27.0	12.67	78.00	11.40	7.57	228.50	0.00
ECPTP04	05/19/98	H	27.0	13.05	78.00	11.61	7.60	220.10	0.00
ECPTP02	05/19/98	H	30.0	12.15	78.00	11.24	7.49	232.40	0.00
ECPTP04	05/19/98	H	30.0	12.78	78.00	11.32	7.54	224.10	0.00
ECPTP02	05/19/98	H	33.0	11.84	78.00	10.89	7.43	234.80	0.00
ECPTP04	05/19/98	H	33.0	12.64	78.00	11.21	7.49	226.80	0.00
ECPTP02	05/19/98	H	36.0	11.30	79.00	10.17	7.27	242.90	0.00
ECPTP04	05/19/98	H	36.0	12.08	78.00	10.78	7.40	230.90	0.00
ECPTP02	05/19/98	H	39.0	10.10	79.00	7.65	7.17	245.70	0.00
ECPTP04	05/19/98	H	39.0	10.57	79.00	10.52	7.13	243.10	0.00
ECPTP02	05/19/98	H	42.0	9.97	80.00	6.33	6.80	257.10	0.00
ECPTP04	05/19/98	H	42.0	10.03	81.00	5.19	6.80	254.10	1.00
ECPTP03	05/20/98	E	0.0	16.40	79.00	11.24	7.45	237.40	0.10
ECPTP05	05/20/98	E	0.0	16.12	79.00	10.72	7.53	226.60	0.80
ECPTP03	05/20/98	E	3.0	16.34	80.00	11.15	7.45	237.10	0.20
ECPTP05	05/20/98	E	3.0	16.12	80.00	10.88	7.57	225.90	0.40
ECPTP03	05/20/98	E	6.0	16.26	79.00	11.09	7.39	240.90	0.30
ECPTP05	05/20/98	E	6.0	16.09	80.00	10.91	7.59	224.40	0.20
ECPTP03	05/20/98	E	9.0	16.16	79.00	11.11	7.37	241.10	0.00
ECPTP05	05/20/98	E	9.0	16.07	80.00	10.90	7.54	227.40	0.40
ECPTP03	05/20/98	E	12.0	15.85	80.00	11.07	7.38	238.40	0.10
ECPTP05	05/20/98	E	12.0	15.98	80.00	11.01	7.55	226.90	0.10
ECPTP03	05/20/98	E	15.0	15.55	79.00	11.20	7.35	235.30	0.10
ECPTP05	05/20/98	E	15.0	15.09	80.00	11.38	7.47	234.20	0.80
ECPTP03	05/20/98	H	18.0	14.13	79.00	12.02	7.41	232.20	0.20
ECPTP05	05/20/98	H	18.0	14.11	79.00	11.78	7.55	229.50	0.90
ECPTP03	05/20/98	H	21.0	13.42	79.00	11.99	7.51	232.90	0.20
ECPTP05	05/20/98	H	21.0	13.63	79.00	11.87	7.54	230.40	0.60
ECPTP03	05/20/98	H	24.0	12.98	79.00	11.72	7.50	234.70	5.30
ECPTP05	05/20/98	H	24.0	13.24	79.00	11.76	7.55	231.70	2.20
ECPTP05	06/17/98	E	0.0	21.70	79.00	9.74	6.77	220.40	1.40

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP05	06/17/98	E	3.0	21.67	79.00	9.66	6.79	210.50	1.10
ECPTP05	06/17/98	E	6.0	21.68	79.00	9.65	6.80	206.50	1.10
ECPTP05	06/17/98	E	9.0	21.68	79.00	9.62	6.80	204.00	1.00
ECPTP05	06/17/98	E	12.0	21.71	79.00	9.60	6.82	199.90	1.70
ECPTP05	06/17/98	E	15.0	21.66	79.00	9.59	6.83	197.90	0.90
ECPTP05	06/17/98	H	18.0	19.67	79.00	9.73	6.88	200.10	0.60
ECPTP05	06/17/98	H	21.0	19.52	79.00	9.66	6.78	205.90	0.50
ECPTP05	06/17/98	H	24.0	18.77	80.00	9.84	6.81	204.10	0.80
ECPTP05	06/17/98	H	27.0	14.43	79.00	11.32	6.83	202.90	1.00
ECPTP05	06/17/98	H	30.0	14.58	79.00	11.04	6.83	206.90	5.20
ECPTP05	06/17/98	H	33.0	14.53	79.00	10.98	6.84	206.90	6.50
ECPTP05	06/17/98	H	36.0	12.39	79.00	11.37	6.99	158.20	0.80
ECPTP05	06/17/98	H	39.0	11.26	80.00	5.73	6.91	174.90	0.50
ECPTP05	06/17/98	H	42.0	11.15	81.00	3.45	6.86	166.90	5.80
ECPTP01	06/18/98	E	0.0	21.96	81.00	10.15	7.17	158.40	0.70
ECPTP02	06/18/98	E	0.0	21.60	81.00	9.90	7.33	205.10	1.10
ECPTP03	06/18/98	E	0.0	21.66	81.00	9.77	7.29	152.50	2.70
ECPTP04	06/18/98	E	0.0	21.77	81.00	10.04	7.38	173.90	0.90
ECPTP01	06/18/98	E	3.0	21.85	80.00	9.73	7.25	151.70	1.00
ECPTP02	06/18/98	E	3.0	21.65	81.00	9.46	7.39	202.70	0.40
ECPTP03	06/18/98	E	3.0	21.64	81.00	9.51	7.39	150.60	1.20
ECPTP04	06/18/98	E	3.0	21.77	81.00	9.63	7.44	164.30	0.90
ECPTP01	06/18/98	E	6.0	21.58	80.00	9.66	7.30	147.50	0.60
ECPTP02	06/18/98	E	6.0	21.66	81.00	9.37	7.40	201.70	0.70
ECPTP03	06/18/98	E	6.0	21.62	80.00	9.46	7.43	148.80	0.90
ECPTP04	06/18/98	E	6.0	21.60	81.00	9.54	7.46	160.50	0.60
ECPTP01	06/18/98	E	9.0	21.51	80.00	9.58	7.34	145.80	0.70
ECPTP02	06/18/98	E	9.0	21.44	81.00	9.40	7.43	200.80	0.90
ECPTP03	06/18/98	E	9.0	21.53	81.00	9.19	7.39	151.30	0.80
ECPTP04	06/18/98	E	9.0	21.57	81.00	9.43	7.48	158.80	0.70
ECPTP01	06/18/98	E	12.0	21.36	81.00	9.45	7.41	144.20	0.50
ECPTP02	06/18/98	E	12.0	20.75	81.00	9.45	7.45	200.10	0.80
ECPTP03	06/18/98	E	12.0	20.95	81.00	9.38	7.40	152.20	1.10
ECPTP04	06/18/98	E	12.0	21.50	80.00	9.37	7.49	158.40	0.90

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP01	06/18/98	E	15.0	20.97	80.00	9.49	7.44	144.10	0.80
ECPTP02	06/18/98	E	15.0	20.16	81.00	9.40	7.45	200.80	0.70
ECPTP03	06/18/98	E	15.0	20.73	81.00	9.48	7.41	152.80	1.10
ECPTP04	06/18/98	E	15.0	20.82	80.00	9.52	7.50	158.80	0.50
ECPTP01	06/18/98	H	18.0	19.68	80.00	9.54	7.44	145.80	0.70
ECPTP02	06/18/98	H	18.0	19.71	81.00	9.43	7.43	201.70	0.50
ECPTP03	06/18/98	H	18.0	19.87	80.00	9.43	7.40	156.30	0.60
ECPTP04	06/18/98	H	18.0	19.83	80.00	9.60	7.51	159.20	0.50
ECPTP01	06/18/98	H	21.0	19.33	80.00	9.54	7.40	149.60	1.90
ECPTP02	06/18/98	H	21.0	19.41	81.00	9.48	7.43	201.70	0.50
ECPTP03	06/18/98	H	21.0	19.33	81.00	9.01	7.31	162.00	0.90
ECPTP04	06/18/98	H	21.0	19.30	81.00	9.77	7.51	160.30	0.70
ECPTP01	06/18/98	H	24.0	18.95	80.00	9.59	7.39	150.30	NA
ECPTP02	06/18/98	H	24.0	18.69	81.00	9.44	7.36	204.80	0.80
ECPTP04	06/18/98	H	24.0	17.44	81.00	10.71	7.55	161.10	0.30
ECPTP02	06/18/98	H	27.0	15.44	80.00	11.54	7.43	205.20	0.40
ECPTP04	06/18/98	H	27.0	15.31	80.00	11.58	7.62	161.20	0.70
ECPTP02	06/18/98	H	30.0	13.51	80.00	11.47	7.43	207.30	0.40
ECPTP04	06/18/98	H	30.0	13.62	80.00	11.27	7.60	164.20	0.40
ECPTP02	06/18/98	H	33.0	12.68	80.00	11.74	7.42	208.30	1.00
ECPTP04	06/18/98	H	33.0	12.59	80.00	10.88	7.54	168.10	0.30
ECPTP04	06/18/98	H	36.0	11.84	81.00	8.43	7.39	175.30	0.40
ECPTP04	06/18/98	H	39.0	11.44	81.00	4.53	6.88	195.50	0.40
ECPTP04	06/18/98	H	42.0	10.91	82.00	1.35	6.67	202.70	0.80
ECPTP01	08/05/98	E	0.0	26.50	81.00	8.52	6.85	101.00	0.50
ECPTP01	08/05/98	E	3.0	26.41	81.00	8.38	6.89	100.00	0.50
ECPTP01	08/05/98	E	6.0	26.16	81.00	8.40	6.90	101.90	0.50
ECPTP01	08/05/98	E	9.0	25.80	81.00	8.40	6.89	104.10	0.90
ECPTP01	08/05/98	E	12.0	25.51	81.00	8.56	6.85	108.10	0.60
ECPTP01	08/05/98	E	15.0	25.20	81.00	8.46	6.82	110.90	0.60
ECPTP01	08/05/98	E	18.0	25.02	81.00	8.49	6.87	108.90	0.80
ECPTP02	08/06/98	E	0.0	26.01	95.00	8.64	7.14	50.60	0.70
ECPTP03	08/06/98	E	0.0	26.31	95.00	8.77	6.78	46.80	0.20
ECPTP04	08/06/98	E	0.0	26.36	95.00	9.54	6.99	66.70	0.60

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP05	08/06/98	E	0.0	25.92	95.00	8.64	7.24	36.90	0.70
ECPTP02	08/06/98	E	3.0	26.02	95.00	7.97	7.14	46.70	0.80
ECPTP03	08/06/98	E	3.0	26.31	95.00	7.98	6.78	45.30	0.60
ECPTP04	08/06/98	E	3.0	26.30	95.00	8.19	6.99	62.60	0.50
ECPTP05	08/06/98	E	3.0	25.92	95.00	7.87	7.14	38.90	0.50
ECPTP02	08/06/98	E	6.0	25.94	95.00	7.71	7.12	45.90	0.70
ECPTP03	08/06/98	E	6.0	26.28	95.00	7.66	6.79	46.90	0.50
ECPTP04	08/06/98	E	6.0	26.04	94.00	8.01	6.97	62.10	0.60
ECPTP05	08/06/98	E	6.0	25.91	95.00	7.80	7.09	42.00	0.60
ECPTP02	08/06/98	E	9.0	25.84	95.00	7.66	7.10	46.40	0.60
ECPTP03	08/06/98	E	9.0	25.99	94.00	7.62	6.82	48.10	0.60
ECPTP04	08/06/98	E	9.0	25.92	94.00	7.86	6.96	62.00	0.60
ECPTP05	08/06/98	E	9.0	25.90	95.00	7.77	7.07	43.20	0.60
ECPTP02	08/06/98	E	12.0	25.78	94.00	7.54	7.10	46.20	0.60
ECPTP03	08/06/98	E	12.0	25.61	94.00	7.62	6.81	50.90	0.80
ECPTP04	08/06/98	E	12.0	25.67	94.00	7.84	7.00	59.90	0.70
ECPTP05	08/06/98	E	12.0	25.64	95.00	7.97	7.04	45.70	0.50
ECPTP02	08/06/98	E	15.0	25.52	95.00	7.47	7.06	48.00	0.60
ECPTP03	08/06/98	E	15.0	25.46	94.00	7.50	6.83	51.20	0.90
ECPTP04	08/06/98	E	15.0	25.42	94.00	7.84	6.95	63.90	0.50
ECPTP05	08/06/98	E	15.0	25.38	95.00	7.95	7.03	47.70	0.50
ECPTP03	08/06/98	E	17.0	25.38	94.00	7.57	6.85	51.30	9.80
ECPTP02	08/06/98	E	18.0	25.06	94.00	7.80	7.05	49.70	0.60
ECPTP04	08/06/98	E	18.0	24.89	94.00	8.00	7.01	61.90	0.70
ECPTP05	08/06/98	E	18.0	25.11	94.00	7.97	7.01	49.50	0.50
ECPTP02	08/06/98	H	21.0	23.94	94.00	8.15	7.04	52.80	1.20
ECPTP04	08/06/98	H	21.0	23.94	94.00	8.17	7.07	60.00	1.00
ECPTP05	08/06/98	H	21.0	23.97	94.00	8.07	7.04	50.30	1.40
ECPTP02	08/06/98	H	24.0	20.70	94.00	9.54	7.06	60.10	0.90
ECPTP04	08/06/98	H	24.0	20.20	92.00	9.82	7.10	64.30	0.90
ECPTP05	08/06/98	H	24.0	20.53	94.00	10.07	7.04	55.90	0.80
ECPTP02	08/06/98	H	27.0	17.59	93.00	10.24	7.07	60.50	1.00
ECPTP04	08/06/98	H	27.0	17.25	91.00	9.88	7.08	68.90	0.80
ECPTP05	08/06/98	H	27.0	17.83	92.00	10.63	7.08	59.20	1.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP02	08/06/98	H	30.0	15.30	93.00	9.44	7.07	64.90	1.30
ECPTP04	08/06/98	H	30.0	14.90	91.00	8.80	7.01	68.00	0.70
ECPTP02	08/06/98	H	33.0	13.27	92.00	6.01	6.85	72.60	0.90
ECPTP04	08/06/98	H	33.0	13.52	91.00	5.78	6.88	78.10	0.50
ECPTP04	08/06/98	H	36.0	12.53	91.00	3.22	6.69	83.60	0.60
ECPTP04	08/06/98	H	39.0	11.81	92.00	2.44	6.59	85.90	1.80
ECPTP04	08/06/98	H	42.0	10.93	102.00	2.02	6.38	-5.40	7.30
ECPTP01	09/24/98	E	0.0	21.32	83.00	9.78	6.78	137.30	1.30
ECPTP01	09/24/98	E	3.0	21.39	82.00	9.24	6.77	124.50	0.70
ECPTP01	09/24/98	E	6.0	21.40	81.00	9.20	6.82	122.00	0.60
ECPTP01	09/24/98	E	9.0	21.39	81.00	9.20	6.80	120.40	0.60
ECPTP01	09/24/98	E	12.0	21.36	81.00	9.20	6.79	120.70	0.60
ECPTP01	09/24/98	E	15.0	21.33	82.00	9.18	6.82	123.00	0.60
ECPTP01	09/24/98	E	18.0	21.28	81.00	9.14	6.82	120.30	0.80
ECPTP01	09/24/98	E	21.0	21.04	81.00	9.03	6.79	123.40	0.80
ECPTP02	09/25/98	E	0.0	20.77	81.00	9.93	6.83	197.40	0.50
ECPTP03	09/25/98	E	0.0	21.12	81.00	9.61	6.55	38.60	0.50
ECPTP04	09/25/98	E	0.0	20.94	80.00	10.00	6.90	197.20	0.60
ECPTP05	09/25/98	E	0.0	20.88	85.00	9.63	6.84	181.20	1.60
ECPTP02	09/25/98	E	3.0	20.88	80.00	9.14	6.91	193.20	0.60
ECPTP03	09/25/98	E	3.0	21.13	80.00	9.51	6.63	61.90	0.50
ECPTP04	09/25/98	E	3.0	21.00	80.00	9.78	6.87	200.70	0.70
ECPTP05	09/25/98	E	3.0	20.94	81.00	9.15	6.89	170.60	0.50
ECPTP02	09/25/98	E	6.0	20.92	79.00	9.11	6.92	192.80	0.50
ECPTP03	09/25/98	E	6.0	21.13	81.00	9.34	6.76	63.90	0.50
ECPTP04	09/25/98	E	6.0	21.01	80.00	9.68	6.89	201.50	0.50
ECPTP05	09/25/98	E	6.0	20.96	79.00	9.12	6.90	174.30	0.60
ECPTP02	09/25/98	E	9.0	20.93	80.00	9.08	6.94	193.20	0.50
ECPTP03	09/25/98	E	9.0	21.12	81.00	9.30	6.79	65.40	0.50
ECPTP04	09/25/98	E	9.0	20.99	81.00	9.60	6.91	202.60	0.50
ECPTP05	09/25/98	E	9.0	20.95	79.00	9.08	6.90	176.60	0.60
ECPTP02	09/25/98	E	12.0	20.92	80.00	9.06	6.94	192.90	0.50
ECPTP03	09/25/98	E	12.0	21.09	81.00	9.27	6.81	67.10	0.50
ECPTP04	09/25/98	E	12.0	20.92	81.00	9.50	6.90	204.90	0.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP05	09/25/98	E	12.0	20.93	79.00	9.06	6.93	177.50	0.50
ECPTP02	09/25/98	E	15.0	20.90	80.00	9.04	6.94	193.50	0.70
ECPTP03	09/25/98	E	15.0	21.03	81.00	9.23	6.78	70.50	0.60
ECPTP04	09/25/98	E	15.0	20.88	80.00	9.39	6.91	206.00	0.50
ECPTP05	09/25/98	E	15.0	20.92	79.00	9.04	6.94	178.40	0.50
ECPTP02	09/25/98	E	18.0	20.89	80.00	9.03	6.93	194.00	0.50
ECPTP03	09/25/98	E	18.0	20.97	81.00	9.16	6.82	71.20	0.60
ECPTP04	09/25/98	E	18.0	20.85	80.00	9.33	6.90	206.90	0.50
ECPTP05	09/25/98	E	18.0	20.90	79.00	9.01	6.94	179.70	0.50
ECPTP02	09/25/98	E	21.0	20.88	80.00	9.03	6.92	194.60	0.50
ECPTP03	09/25/98	E	21.0	20.90	81.00	9.10	6.82	75.80	0.60
ECPTP04	09/25/98	E	21.0	20.82	80.00	9.29	6.91	205.60	0.60
ECPTP05	09/25/98	E	21.0	20.89	79.00	8.98	6.94	180.30	0.50
ECPTP02	09/25/98	E	24.0	20.86	80.00	9.06	6.89	195.80	0.50
ECPTP03	09/25/98	E	24.0	20.88	81.00	9.05	6.81	81.90	1.10
ECPTP04	09/25/98	E	24.0	20.78	80.00	9.24	6.90	206.70	0.60
ECPTP05	09/25/98	E	24.0	20.90	79.00	8.96	6.94	181.20	0.40
ECPTP04	09/25/98	E	27.0	20.76	80.00	9.20	6.89	206.50	0.70
ECPTP05	09/25/98	E	27.0	20.89	79.00	8.89	6.95	182.10	1.00
ECPTP04	09/25/98	H	30.0	17.64	79.00	6.13	6.98	202.20	0.50
ECPTP04	09/25/98	H	33.0	14.55	79.00	2.31	6.77	211.00	0.80
ECPTP04	09/25/98	H	36.0	13.17	82.00	0.58	6.57	217.40	1.30
ECPTP04	09/25/98	H	39.0	12.45	84.00	0.50	6.47	163.20	1.60
ECPTP04	09/25/98	H	42.0	11.24	87.00	0.44	6.14	-15.10	4.40
ECPTP02	11/09/98	E	0.0	11.69	80.00	9.47	6.75	313.00	1.00
ECPTP05	11/09/98	E	0.0	11.55	80.00	9.67	6.66	317.70	1.50
ECPTP02	11/09/98	E	3.0	11.71	80.00	9.39	6.81	308.20	1.20
ECPTP05	11/09/98	E	3.0	11.57	80.00	9.34	6.75	313.00	1.50
ECPTP02	11/09/98	E	6.0	11.66	80.00	9.24	6.84	304.90	1.30
ECPTP05	11/09/98	E	6.0	11.58	80.00	9.24	6.78	311.90	1.60
ECPTP02	11/09/98	E	9.0	11.59	80.00	9.11	6.84	304.90	1.30
ECPTP05	11/09/98	E	9.0	11.56	80.00	9.13	6.78	310.50	1.40
ECPTP02	11/09/98	E	12.0	11.57	80.00	8.99	6.82	307.60	1.50
ECPTP05	11/09/98	E	12.0	11.56	80.00	9.12	6.78	313.40	1.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP02	11/09/98	E	15.0	11.56	80.00	8.94	6.80	310.40	1.30
ECPTP05	11/09/98	E	15.0	11.55	80.00	9.05	6.78	314.90	1.60
ECPTP02	11/09/98	E	18.0	11.55	80.00	8.87	6.80	310.00	1.50
ECPTP05	11/09/98	E	18.0	11.55	80.00	9.05	6.78	315.90	1.90
ECPTP02	11/09/98	E	21.0	11.54	80.00	8.83	6.80	311.40	1.40
ECPTP05	11/09/98	E	21.0	11.54	80.00	8.96	6.78	316.20	1.50
ECPTP02	11/09/98	E	24.0	11.50	80.00	8.82	6.80	312.50	1.40
ECPTP05	11/09/98	E	24.0	11.54	80.00	8.92	6.77	317.90	1.60
ECPTP02	11/09/98	E	27.0	11.48	80.00	8.81	6.79	313.10	1.80
ECPTP05	11/09/98	E	27.0	11.53	80.00	8.91	6.78	318.60	1.40
ECPTP02	11/09/98	E	30.0	11.48	80.00	8.77	6.79	313.30	1.70
ECPTP05	11/09/98	E	30.0	11.52	80.00	8.87	6.78	318.70	1.40
ECPTP05	11/09/98	E	33.0	11.52	80.00	8.84	6.78	315.20	1.60
ECPTP01	11/10/98	E	0.0	11.40	80.00	9.69	6.95	246.30	1.30
ECPTP03	11/10/98	E	0.0	11.39	80.00	10.13	6.98	307.10	1.50
ECPTP04	11/10/98	E	0.0	11.44	80.00	9.81	6.97	314.30	1.40
ECPTP01	11/10/98	E	3.0	11.41	80.00	9.46	7.01	240.10	1.40
ECPTP03	11/10/98	E	3.0	11.37	80.00	9.50	7.07	304.10	1.20
ECPTP04	11/10/98	E	3.0	11.39	80.00	9.57	7.10	301.70	1.30
ECPTP01	11/10/98	E	6.0	11.37	80.00	9.47	7.03	238.10	1.60
ECPTP03	11/10/98	E	6.0	11.34	80.00	9.37	7.10	304.10	1.40
ECPTP04	11/10/98	E	6.0	11.35	80.00	9.49	7.10	300.80	1.50
ECPTP01	11/10/98	E	9.0	11.29	80.00	9.46	7.01	238.80	1.40
ECPTP03	11/10/98	E	9.0	11.32	80.00	9.35	7.08	306.40	1.30
ECPTP04	11/10/98	E	9.0	11.33	80.00	9.44	7.09	301.40	1.40
ECPTP01	11/10/98	E	12.0	11.28	80.00	9.40	7.01	239.30	1.20
ECPTP03	11/10/98	E	12.0	11.30	80.00	9.34	7.08	306.40	1.40
ECPTP04	11/10/98	E	12.0	11.31	80.00	9.36	7.09	302.80	1.30
ECPTP01	11/10/98	E	15.0	11.24	80.00	9.40	7.00	241.30	1.40
ECPTP03	11/10/98	E	15.0	11.29	80.00	9.30	7.10	305.90	2.00
ECPTP04	11/10/98	E	15.0	11.30	80.00	9.31	7.08	304.90	1.60
ECPTP01	11/10/98	E	18.0	11.14	80.00	9.41	7.00	242.00	1.50
ECPTP03	11/10/98	E	18.0	11.28	80.00	9.27	7.10	306.60	1.30
ECPTP04	11/10/98	E	18.0	11.29	80.00	9.29	7.05	309.30	1.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECPTP01	11/10/98	E	21.0	10.98	80.00	9.44	6.99	243.10	1.40
ECPTP03	11/10/98	E	21.0	11.27	80.00	9.24	7.10	306.70	1.40
ECPTP04	11/10/98	E	21.0	11.29	80.00	9.26	7.05	309.70	1.40
ECPTP01	11/10/98	E	22.0	10.99	80.00	9.45	6.97	245.80	2.80
ECPTP03	11/10/98	E	24.0	11.26	80.00	9.20	7.08	308.00	1.40
ECPTP04	11/10/98	E	24.0	11.29	80.00	9.25	7.04	310.80	1.40
ECPTP03	11/10/98	E	27.0	11.20	80.00	9.20	7.08	308.10	9.50
ECPTP04	11/10/98	E	27.0	11.29	80.00	9.23	7.03	311.30	1.60
ECPTP04	11/10/98	E	30.0	11.29	80.00	9.22	7.04	311.40	1.70
ECPTP04	11/10/98	E	33.0	11.28	80.00	9.23	7.03	312.70	1.50
ECPTP04	11/10/98	E	36.0	11.28	80.00	9.19	7.04	311.30	1.40
ECPTP04	11/10/98	E	39.0	11.28	80.00	9.20	7.03	311.70	1.90
ECPTP04	11/10/98	E	42.0	11.27	80.00	9.20	7.03	312.60	1.40
Triangle Pond (Reference Area)									
ECTRP02	07/26/96	E	1.1	23.40	71.00	8.53	7.15	NA	NA
ECTRP01	07/26/96	E	3.3	23.30	71.00	8.35	6.91	NA	NA
ECTRP02	07/26/96	E	3.3	23.40	70.00	8.49	7.02	NA	NA
ECTRP02	07/26/96	E	5.4	23.40	70.00	8.45	6.94	NA	NA
ECTRP01	07/26/96	E	6.6	23.30	70.00	8.23	6.82	NA	NA
ECTRP01	07/26/96	E	9.8	23.30	70.00	8.20	6.76	NA	NA
ECTRP03	07/28/96	E	1.1	24.50	71.00	8.58	7.34	NA	NA
ECTRP03	07/28/96	E	2.2	24.50	70.00	8.41	7.22	NA	NA
ECTRP03	07/28/96	E	3.3	24.40	70.00	8.35	7.10	NA	NA
ECTRP04	07/28/96	E	3.3	24.30	71.00	8.46	7.17	NA	NA
ECTRP05	07/28/96	E	3.3	24.70	71.00	8.57	7.18	NA	NA
ECTRP03	07/28/96	E	4.9	24.30	70.00	8.31	6.95	NA	NA
ECTRP03	07/28/96	E	6.6	24.20	70.00	8.29	6.88	NA	NA
ECTRP04	07/28/96	E	6.6	24.00	71.00	8.36	7.08	NA	NA
ECTRP05	07/28/96	E	6.6	24.40	70.00	8.51	7.12	NA	NA
ECTRP03	07/28/96	E	9.8	24.10	70.00	8.34	6.83	NA	NA
ECTRP04	07/28/96	E	9.8	23.90	70.00	8.24	6.66	NA	NA
ECTRP05	07/28/96	E	9.8	24.10	70.00	8.49	7.03	NA	NA
ECTRP03	07/28/96	E	13.1	24.10	70.00	8.35	6.80	NA	NA
ECTRP04	07/28/96	E	13.1	23.60	70.00	8.24	6.65	NA	NA

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP05	07/28/96	E	13.1	23.90	70.00	8.45	6.96	NA	NA
ECTRP03	07/28/96	E	14.2	24.10	70.00	8.33	6.79	NA	NA
ECTRP04	07/28/96	E	16.4	23.50	70.00	8.23	6.64	NA	NA
ECTRP05	07/28/96	E	16.4	23.60	70.00	8.32	6.91	NA	NA
ECTRP04	07/28/96	E	19.7	23.30	70.00	8.13	6.62	NA	NA
ECTRP05	07/28/96	E	19.7	23.40	70.00	8.28	6.86	NA	NA
ECTRP04	07/28/96	E	23.0	22.60	69.00	7.43	6.52	NA	NA
ECTRP05	07/28/96	E	23.0	21.90	68.00	7.29	6.65	NA	NA
ECTRP05	07/28/96	E	24.6	19.30	67.00	2.11	6.07	NA	NA
ECTRP04	07/28/96	H	26.2	18.00	67.00	0.41	6.01	NA	NA
ECTRP04	07/28/96	H	29.5	15.50	93.00	0.20	5.75	NA	NA
ECTRP02	11/12/96	E	3.0	10.83	57.00	12.38	6.39	NA	NA
ECTRP03	11/12/96	E	3.0	10.41	56.00	11.76	6.41	NA	NA
ECTRP04	11/12/96	E	3.0	10.94	57.00	12.03	6.50	NA	NA
ECTRP05	11/12/96	E	3.0	11.03	56.00	11.61	6.84	NA	NA
ECTRP02	11/12/96	E	6.0	10.77	56.00	12.13	6.39	NA	NA
ECTRP03	11/12/96	E	6.0	10.43	56.00	11.72	6.39	NA	NA
ECTRP04	11/12/96	E	6.0	10.94	56.00	11.91	6.48	NA	NA
ECTRP05	11/12/96	E	6.0	11.04	56.00	11.55	6.64	NA	NA
ECTRP02	11/12/96	E	9.0	10.63	56.00	12.07	6.40	NA	NA
ECTRP03	11/12/96	E	9.0	10.42	56.00	11.74	6.39	NA	NA
ECTRP04	11/12/96	E	9.0	10.94	56.00	11.90	6.45	NA	NA
ECTRP05	11/12/96	E	9.0	11.04	56.00	11.59	6.55	NA	NA
ECTRP02	11/12/96	E	12.0	10.72	57.00	11.60	6.27	NA	NA
ECTRP03	11/12/96	E	12.0	10.38	56.00	11.77	6.39	NA	NA
ECTRP04	11/12/96	E	12.0	10.89	56.00	11.90	6.44	NA	NA
ECTRP05	11/12/96	E	12.0	11.03	56.00	11.60	6.51	NA	NA
ECTRP03	11/12/96	E	15.0	10.36	56.00	11.79	6.38	NA	NA
ECTRP04	11/12/96	E	15.0	10.87	56.00	11.89	6.43	NA	NA
ECTRP05	11/12/96	E	15.0	11.01	56.00	11.62	6.49	NA	NA
ECTRP03	11/12/96	E	18.0	10.54	60.00	9.50	6.10	NA	NA
ECTRP04	11/12/96	E	18.0	10.84	56.00	11.89	6.42	NA	NA
ECTRP05	11/12/96	E	18.0	10.97	56.00	11.64	6.46	NA	NA
ECTRP04	11/12/96	E	21.0	10.83	56.00	11.88	6.41	NA	NA

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP05	11/12/96	E	21.0	10.94	56.00	11.67	6.44	NA	NA
ECTRP04	11/12/96	E	28.0	10.96	64.00	5.84	6.32	NA	NA
ECTRP05	11/12/96	E	30.0	10.68	57.00	10.14	6.39	NA	NA
ECTRP01	04/18/97	E	3.0	10.43	66.00	11.21	7.20	170.00	2.00
ECTRP02	04/18/97	E	3.0	10.34	66.00	11.41	6.62	188.00	2.00
ECTRP03	04/18/97	E	3.0	10.31	66.00	11.65	6.89	179.00	2.00
ECTRP01	04/18/97	E	6.0	10.37	66.00	11.18	7.04	171.00	2.00
ECTRP03	04/18/97	E	6.0	10.31	66.00	11.37	6.78	181.00	2.00
ECTRP01	04/18/97	E	9.0	10.34	66.00	11.13	6.96	173.00	2.00
ECTRP03	04/18/97	E	9.0	10.08	66.00	11.37	6.70	180.00	2.00
ECTRP01	04/18/97	E	12.0	10.32	66.00	11.16	6.98	172.00	2.00
ECTRP03	04/18/97	E	12.0	9.95	66.00	11.44	6.65	177.00	2.00
ECTRP01	04/18/97	E	14.0	10.29	66.00	11.08	6.82	171.00	4.00
ECTRP03	04/18/97	E	15.0	9.80	66.00	11.34	6.59	178.00	8.00
ECTRP04	04/21/97	E	3.0	10.11	63.00	12.65	6.76	140.00	2.00
ECTRP05	04/21/97	E	3.0	10.35	63.00	12.77	6.65	132.00	1.00
ECTRP04	04/21/97	E	6.0	9.99	63.00	12.58	6.67	135.00	1.00
ECTRP05	04/21/97	E	6.0	9.97	63.00	12.67	6.61	130.00	2.00
ECTRP04	04/21/97	E	7.5	9.87	63.00	12.58	6.65	137.00	3.00
ECTRP05	04/21/97	E	9.0	9.79	63.00	12.64	6.56	135.00	2.00
ECTRP05	04/21/97	E	12.0	9.76	63.00	12.55	6.49	135.00	2.00
ECTRP05	04/21/97	E	15.0	9.68	63.00	12.54	6.48	134.00	2.00
ECTRP05	04/21/97	E	18.0	9.57	63.00	12.53	6.48	134.00	2.00
ECTRP05	04/21/97	E	21.0	9.37	63.00	12.50	6.48	135.00	2.00
ECTRP05	04/21/97	E	24.0	9.23	63.00	12.37	6.47	136.00	2.00
ECTRP05	04/21/97	E	27.0	9.21	63.00	12.30	6.43	136.00	2.00
ECTRP01	07/08/97	E	0.0	25.79	63.00	8.29	7.34	183.00	1.00
ECTRP03	07/08/97	E	0.0	26.06	61.00	8.97	6.66	120.00	2.00
ECTRP04	07/08/97	E	0.0	25.94	61.00	7.97	6.83	216.00	0.00
ECTRP05	07/08/97	E	0.0	26.64	62.00	8.48	6.76	158.00	2.00
ECTRP01	07/08/97	E	3.0	25.57	63.00	8.05	7.24	186.00	2.00
ECTRP03	07/08/97	E	3.0	26.05	61.00	8.67	6.76	123.00	1.00
ECTRP04	07/08/97	E	3.0	25.60	61.00	7.99	6.91	213.00	1.00
ECTRP05	07/08/97	E	3.0	26.24	62.00	8.32	6.87	160.00	2.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP01	07/08/97	E	6.0	25.44	62.00	7.98	7.19	188.00	1.00
ECTRP03	07/08/97	E	6.0	25.93	61.00	8.36	6.82	130.00	1.00
ECTRP04	07/08/97	E	6.0	25.45	61.00	7.91	6.90	214.00	1.00
ECTRP05	07/08/97	E	6.0	25.95	62.00	8.20	6.89	163.00	2.00
ECTRP01	07/08/97	E	9.0	25.40	63.00	7.89	7.14	191.00	1.00
ECTRP03	07/08/97	E	9.0	25.64	61.00	8.20	6.84	137.00	1.00
ECTRP04	07/08/97	E	9.0	25.41	61.00	7.81	6.89	214.00	0.00
ECTRP05	07/08/97	E	9.0	25.70	62.00	8.00	6.90	173.00	0.00
ECTRP01	07/08/97	E	12.0	25.39	63.00	7.79	7.06	190.00	NA
ECTRP03	07/08/97	E	12.0	25.28	61.00	8.09	6.83	142.00	0.00
ECTRP04	07/08/97	E	12.0	25.14	61.00	8.09	6.85	207.00	1.00
ECTRP05	07/08/97	E	12.0	25.47	62.00	7.86	6.84	178.00	0.00
ECTRP03	07/08/97	E	15.0	25.28	61.00	7.96	6.85	148.00	0.00
ECTRP05	07/08/97	E	15.0	25.35	62.00	7.81	6.80	181.00	0.00
ECTRP03	07/08/97	H	18.0	25.20	61.00	8.05	6.93	148.00	0.00
ECTRP05	07/08/97	H	18.0	21.65	62.00	9.55	6.75	189.00	1.00
ECTRP05	07/08/97	H	21.0	20.01	60.00	9.15	6.62	198.00	1.00
ECTRP05	07/08/97	H	24.0	18.90	60.00	8.67	6.49	202.00	1.00
ECTRP06	07/09/97	E	0.0	25.89	61.00	8.41	6.83	81.00	1.00
ECTRP06	07/09/97	E	3.0	25.89	61.00	8.47	6.86	80.00	1.00
ECTRP06	07/09/97	E	6.0	25.88	61.00	8.47	6.86	89.00	1.00
ECTRP06	07/09/97	E	9.0	25.84	61.00	8.50	6.86	92.00	1.00
ECTRP06	07/09/97	E	12.0	25.79	60.00	8.46	6.84	96.00	0.00
ECTRP06	07/09/97	E	15.0	25.80	60.00	8.41	6.82	98.00	3.00
ECTRP01	08/14/97	E	0.0	25.15	66.00	8.46	6.53	172.00	0.50
ECTRP04	08/14/97	E	0.0	24.96	65.00	8.45	6.57	178.00	0.70
ECTRP05	08/14/97	E	0.0	24.47	66.00	8.28	6.58	191.00	1.60
ECTRP01	08/14/97	E	3.0	24.78	66.00	8.30	6.46	172.00	0.50
ECTRP04	08/14/97	E	3.0	24.71	65.00	8.27	6.67	172.00	0.70
ECTRP05	08/14/97	E	3.0	24.47	66.00	8.42	6.97	178.00	1.70
ECTRP01	08/14/97	E	6.0	24.50	65.00	8.28	6.44	173.00	0.60
ECTRP04	08/14/97	E	6.0	24.39	65.00	8.24	6.64	173.00	0.60
ECTRP05	08/14/97	E	6.0	24.45	66.00	8.22	6.63	181.00	1.20
ECTRP01	08/14/97	E	9.0	24.35	65.00	8.25	6.43	173.00	0.60

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP04	08/14/97	E	9.0	24.28	65.00	8.21	6.58	175.00	0.60
ECTRP05	08/14/97	E	9.0	24.43	65.00	8.22	6.57	182.00	0.90
ECTRP01	08/14/97	E	12.0	24.27	65.00	8.24	6.38	176.00	0.60
ECTRP04	08/14/97	E	12.0	24.23	65.00	8.19	6.56	177.00	0.50
ECTRP05	08/14/97	E	12.0	24.44	66.00	8.20	6.54	181.00	0.70
ECTRP01	08/14/97	E	15.0	24.25	65.00	8.24	6.39	176.00	0.70
ECTRP04	08/14/97	E	15.0	24.19	65.00	8.15	6.52	179.00	0.40
ECTRP05	08/14/97	E	15.0	24.33	66.00	8.20	6.50	182.00	0.70
ECTRP01	08/14/97	E	16.0	24.25	65.00	8.27	6.40	176.00	0.60
ECTRP04	08/14/97	E	18.0	24.16	65.00	8.08	6.51	179.00	1.30
ECTRP05	08/14/97	E	18.0	24.26	65.00	8.19	6.47	184.00	0.70
ECTRP04	08/14/97	E	20.0	24.01	65.00	7.96	6.45	180.00	6.50
ECTRP05	08/14/97	H	21.0	22.73	65.00	6.69	5.83	216.00	1.40
ECTRP03	08/15/97	E	0.0	25.09	59.00	9.54	6.58	184.00	0.90
ECTRP06	08/15/97	E	0.0	24.50	59.00	8.18	6.61	192.00	1.10
ECTRP03	08/15/97	E	3.0	24.91	58.00	9.55	6.63	180.00	1.40
ECTRP06	08/15/97	E	3.0	24.51	58.00	8.00	6.66	188.00	0.70
ECTRP03	08/15/97	E	6.0	24.72	58.00	9.48	6.62	180.00	1.10
ECTRP06	08/15/97	E	6.0	24.49	58.00	7.90	6.67	187.00	0.60
ECTRP03	08/15/97	E	9.0	24.67	58.00	9.40	6.63	181.00	0.80
ECTRP06	08/15/97	E	9.0	24.49	58.00	7.83	6.67	188.00	0.50
ECTRP03	08/15/97	E	12.0	24.63	58.00	9.41	6.63	182.00	1.10
ECTRP06	08/15/97	E	12.0	24.46	59.00	7.75	6.65	189.00	0.50
ECTRP06	08/15/97	E	15.0	24.37	58.00	7.68	6.63	190.00	0.60
ECTRP06	08/15/97	E	18.0	24.17	58.00	7.60	6.57	191.00	0.80
ECTRP06	08/15/97	H	21.0	23.10	58.00	6.71	6.15	198.00	1.40
ECTRP06	08/15/97	H	24.0	21.07	58.00	4.93	5.82	205.00	2.20
ECTRP01	08/27/97	E	0.0	24.55	63.00	9.21	6.66	210.00	1.00
ECTRP04	08/27/97	E	0.0	24.16	63.00	8.86	6.48	214.00	0.80
ECTRP05	08/27/97	E	0.0	23.86	63.00	8.38	6.41	211.00	1.60
ECTRP01	08/27/97	E	3.0	24.53	63.00	9.07	6.58	217.00	1.20
ECTRP04	08/27/97	E	3.0	24.16	63.00	8.67	6.52	211.00	0.90
ECTRP05	08/27/97	E	3.0	23.87	63.00	8.32	6.45	208.00	1.00
ECTRP01	08/27/97	E	6.0	24.36	63.00	8.99	6.59	218.00	1.10

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP04	08/27/97	E	6.0	24.13	63.00	8.57	6.52	211.00	1.00
ECTRP05	08/27/97	E	6.0	23.82	63.00	8.27	6.52	206.00	0.90
ECTRP01	08/27/97	E	9.0	24.26	63.00	8.93	6.54	222.00	1.30
ECTRP04	08/27/97	E	9.0	24.00	63.00	8.51	6.52	212.00	1.30
ECTRP05	08/27/97	E	9.0	23.70	63.00	8.09	6.54	214.00	1.10
ECTRP01	08/27/97	E	12.0	24.09	63.00	8.82	6.56	225.00	1.40
ECTRP04	08/27/97	E	12.0	23.69	63.00	8.35	6.48	218.00	1.40
ECTRP05	08/27/97	E	12.0	23.68	63.00	8.10	6.55	216.00	0.90
ECTRP01	08/27/97	E	15.0	23.64	63.00	8.73	6.47	227.00	2.60
ECTRP05	08/27/97	E	15.0	23.57	62.00	8.10	6.52	222.00	1.00
ECTRP05	08/27/97	E	18.0	23.45	62.00	7.98	6.50	224.00	1.10
ECTRP05	08/27/97	E	21.0	23.04	63.00	7.36	6.33	232.00	1.10
ECTRP05	08/27/97	E	24.0	22.11	63.00	5.74	6.02	245.00	1.50
ECTRP05	08/27/97	H	27.0	20.14	63.00	1.15	5.70	258.00	3.50
ECTRP03	08/28/97	E	0.0	23.73	62.00	8.23	6.89	127.00	1.10
ECTRP06	08/28/97	E	0.0	23.98	62.00	8.73	7.05	107.00	0.90
ECTRP03	08/28/97	E	3.0	23.75	62.00	8.24	6.96	116.00	1.00
ECTRP06	08/28/97	E	3.0	23.96	62.00	8.65	7.11	102.00	0.90
ECTRP03	08/28/97	E	6.0	23.75	62.00	8.21	6.94	118.00	1.00
ECTRP06	08/28/97	E	6.0	23.91	62.00	8.60	7.10	102.00	0.70
ECTRP03	08/28/97	E	9.0	23.76	62.00	8.20	6.91	119.00	0.90
ECTRP06	08/28/97	E	9.0	23.87	62.00	8.49	7.05	104.00	0.70
ECTRP03	08/28/97	E	12.0	23.75	62.00	8.20	6.89	120.00	0.90
ECTRP06	08/28/97	E	12.0	23.81	62.00	8.40	7.00	106.00	0.80
ECTRP03	08/28/97	E	15.0	23.73	62.00	8.18	6.88	122.00	0.90
ECTRP06	08/28/97	E	15.0	23.78	62.00	8.31	6.95	107.00	0.80
ECTRP06	08/28/97	E	18.0	23.56	62.00	8.10	6.85	111.00	1.00
ECTRP06	08/28/97	E	21.0	23.13	62.00	7.54	6.70	116.00	1.20
ECTRP06	08/28/97	E	24.0	22.31	62.00	5.93	6.39	127.00	1.40
ECTRP06	08/28/97	H	27.0	20.09	63.00	1.01	6.02	149.00	7.70
ECTRP01	10/01/97	E	0.0	18.50	61.00	9.51	6.60	123.00	0.90
ECTRP03	10/01/97	E	0.0	18.46	61.00	9.18	6.57	122.00	0.90
ECTRP04	10/01/97	E	0.0	18.66	61.00	9.12	6.53	149.00	1.00
ECTRP05	10/01/97	E	0.0	18.63	61.00	8.96	7.08	124.00	1.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP01	10/01/97	E	3.0	18.50	61.00	9.44	6.70	116.00	0.90
ECTRP03	10/01/97	E	3.0	18.48	61.00	9.17	6.66	118.00	0.70
ECTRP04	10/01/97	E	3.0	18.68	61.00	9.07	6.61	142.00	1.10
ECTRP05	10/01/97	E	3.0	18.65	61.00	8.94	7.08	122.00	0.90
ECTRP01	10/01/97	E	6.0	18.44	61.00	9.32	6.71	117.00	0.90
ECTRP03	10/01/97	E	6.0	18.48	61.00	9.17	6.65	119.00	0.80
ECTRP04	10/01/97	E	6.0	18.64	61.00	9.04	6.62	141.00	1.10
ECTRP05	10/01/97	E	6.0	18.65	61.00	8.93	7.00	126.00	1.00
ECTRP01	10/01/97	E	9.0	18.41	61.00	9.26	6.68	119.00	0.90
ECTRP03	10/01/97	E	9.0	18.48	61.00	9.17	6.64	121.00	1.00
ECTRP04	10/01/97	E	9.0	18.57	61.00	9.06	6.62	141.00	1.10
ECTRP05	10/01/97	E	9.0	18.63	61.00	8.91	6.90	132.00	1.00
ECTRP01	10/01/97	E	12.0	18.37	61.00	9.26	6.68	120.00	1.00
ECTRP03	10/01/97	E	12.0	18.49	61.00	9.15	6.63	123.00	0.70
ECTRP04	10/01/97	E	12.0	18.55	61.00	9.04	6.61	142.00	1.20
ECTRP05	10/01/97	E	12.0	18.62	61.00	8.92	6.85	135.00	0.90
ECTRP01	10/01/97	E	15.0	18.35	61.00	9.24	6.68	121.00	1.40
ECTRP03	10/01/97	E	15.0	18.48	61.00	9.12	6.62	125.00	0.80
ECTRP04	10/01/97	E	15.0	18.54	61.00	9.03	6.60	142.00	1.00
ECTRP05	10/01/97	E	15.0	18.61	61.00	8.90	6.78	139.00	1.10
ECTRP04	10/01/97	E	18.0	18.53	61.00	9.03	6.60	144.00	2.00
ECTRP05	10/01/97	E	18.0	18.56	61.00	8.92	6.74	141.00	0.90
ECTRP04	10/01/97	E	21.0	18.51	61.00	9.02	6.59	144.00	1.10
ECTRP05	10/01/97	E	21.0	18.54	61.00	8.92	6.68	142.00	0.80
ECTRP04	10/01/97	E	24.0	18.51	61.00	9.00	6.59	144.00	1.10
ECTRP05	10/01/97	E	24.0	18.53	61.00	8.89	6.68	145.00	0.90
ECTRP06	10/02/97	E	0.0	17.89	58.00	8.98	6.85	126.00	1.30
ECTRP06	10/02/97	E	3.0	17.89	59.00	8.94	6.85	121.00	1.20
ECTRP06	10/02/97	E	6.0	17.91	58.00	8.90	6.81	121.00	1.20
ECTRP06	10/02/97	E	9.0	17.88	59.00	8.85	6.69	125.00	1.10
ECTRP06	10/02/97	E	12.0	17.86	58.00	8.82	NA	125.00	1.30
ECTRP06	10/02/97	E	15.0	17.85	58.00	8.84	NA	126.00	1.10
ECTRP06	10/02/97	E	18.0	17.81	59.00	8.83	NA	128.00	1.20
ECTRP04	05/07/98	E	0.0	16.96	59.00	10.60	7.54	319.90	1.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP05	05/07/98	E	0.0	16.92	55.00	10.46	7.29	352.90	1.30
ECTRP04	05/07/98	E	3.0	16.87	59.00	10.47	7.42	328.90	0.80
ECTRP05	05/07/98	E	3.0	16.90	56.00	10.43	7.25	353.60	1.20
ECTRP04	05/07/98	E	6.0	16.80	59.00	10.43	7.26	338.90	1.30
ECTRP05	05/07/98	E	6.0	16.84	58.00	10.40	7.19	354.60	0.90
ECTRP04	05/07/98	E	9.0	16.77	59.00	10.40	7.23	340.80	1.50
ECTRP05	05/07/98	E	9.0	16.72	58.00	10.38	7.15	355.90	0.90
ECTRP04	05/07/98	E	11.5	15.87	59.00	10.49	7.15	346.50	4.00
ECTRP05	05/07/98	H	12.0	15.46	59.00	10.39	7.11	358.10	1.00
ECTRP05	05/07/98	H	15.0	14.48	59.00	10.74	7.04	362.10	1.00
ECTRP05	05/07/98	H	18.0	13.58	59.00	10.85	7.00	365.50	1.30
ECTRP05	05/07/98	H	21.0	12.94	59.00	10.82	6.92	369.60	1.10
ECTRP05	05/07/98	H	24.0	12.67	60.00	10.61	6.82	374.50	1.20
ECTRP05	05/07/98	H	27.0	12.21	60.00	10.18	6.66	383.60	1.50
ECTRP05	05/07/98	H	30.0	11.97	60.00	8.35	6.53	392.90	2.00
ECTRP01	05/08/98	E	0.0	16.56	60.00	10.31	7.65	146.80	2.40
ECTRP03	05/08/98	E	0.0	16.66	60.00	10.34	7.72	138.20	0.70
ECTRP06	05/08/98	E	0.0	16.58	60.00	10.23	7.87	131.70	0.90
ECTRP01	05/08/98	E	3.0	16.57	60.00	10.34	7.64	145.40	0.60
ECTRP03	05/08/98	E	3.0	16.63	60.00	10.36	7.70	138.50	0.50
ECTRP06	05/08/98	E	3.0	16.56	60.00	10.23	7.84	131.90	0.40
ECTRP01	05/08/98	E	6.0	16.49	59.00	10.39	7.56	148.80	0.40
ECTRP03	05/08/98	E	6.0	16.61	60.00	10.39	7.66	140.40	0.30
ECTRP06	05/08/98	E	6.0	16.53	60.00	10.23	7.77	135.30	0.60
ECTRP01	05/08/98	E	9.0	16.45	59.00	10.41	7.53	149.90	1.00
ECTRP03	05/08/98	E	9.0	16.60	60.00	10.42	7.62	142.20	0.30
ECTRP06	05/08/98	E	9.0	16.42	59.00	10.29	7.75	137.30	0.30
ECTRP01	05/08/98	H	12.0	15.79	60.00	10.61	7.49	151.90	0.50
ECTRP03	05/08/98	H	12.0	14.57	60.00	10.71	7.59	146.80	1.00
ECTRP06	05/08/98	H	12.0	14.31	60.00	10.77	7.71	143.10	0.30
ECTRP01	05/08/98	H	15.0	14.98	60.00	10.73	7.47	153.60	0.60
ECTRP06	05/08/98	H	15.0	13.75	60.00	10.85	7.67	146.40	0.40
ECTRP06	05/08/98	H	18.0	12.95	60.00	10.76	7.61	151.10	0.50
ECTRP06	05/08/98	H	21.0	12.68	60.00	10.66	7.57	153.40	0.60

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP06	05/08/98	H	24.0	12.47	61.00	10.19	7.49	157.70	0.60
ECTRP06	05/08/98	H	27.0	12.31	60.00	9.41	7.40	162.80	1.70
ECTRP01	06/15/98	E	0.0	20.84	60.00	9.65	7.14	150.70	0.60
ECTRP04	06/15/98	E	0.0	20.16	60.00	9.30	6.95	151.30	0.60
ECTRP05	06/15/98	E	0.0	19.82	60.00	9.02	7.59	163.60	0.70
ECTRP06	06/15/98	E	0.0	20.65	60.00	9.45	7.34	147.60	0.50
ECTRP01	06/15/98	E	3.0	20.85	60.00	9.37	7.07	151.20	0.50
ECTRP04	06/15/98	E	3.0	20.11	61.00	9.09	6.94	148.90	0.60
ECTRP05	06/15/98	E	3.0	19.81	61.00	9.01	7.51	162.70	0.70
ECTRP06	06/15/98	E	3.0	20.58	61.00	9.38	7.14	150.20	0.60
ECTRP01	06/15/98	E	6.0	20.81	60.00	9.47	7.01	152.20	0.60
ECTRP04	06/15/98	E	6.0	20.12	61.00	9.07	6.91	149.30	0.60
ECTRP05	06/15/98	E	6.0	19.75	61.00	9.01	7.44	163.00	0.60
ECTRP06	06/15/98	E	6.0	20.42	60.00	9.38	7.07	149.60	0.50
ECTRP01	06/15/98	E	9.0	20.46	60.00	9.69	6.96	153.80	0.70
ECTRP04	06/15/98	E	9.0	20.09	60.00	9.07	6.89	149.60	0.60
ECTRP05	06/15/98	E	9.0	19.72	60.00	9.04	7.36	165.20	0.70
ECTRP06	06/15/98	E	9.0	19.97	60.00	9.47	7.05	148.50	0.60
ECTRP01	06/15/98	E	12.0	20.30	60.00	9.53	6.93	155.10	0.80
ECTRP04	06/15/98	E	12.0	20.07	60.00	9.07	6.86	150.20	0.60
ECTRP05	06/15/98	E	12.0	19.71	61.00	9.04	7.28	167.10	0.70
ECTRP06	06/15/98	E	12.0	19.93	60.00	9.46	7.02	149.50	0.60
ECTRP01	06/15/98	E	15.0	20.21	60.00	9.44	6.91	155.60	0.70
ECTRP04	06/15/98	E	15.0	20.09	60.00	9.08	6.84	151.20	0.50
ECTRP05	06/15/98	E	15.0	19.68	60.00	9.04	7.22	168.60	0.70
ECTRP06	06/15/98	E	15.0	19.72	61.00	9.41	6.97	151.30	0.60
ECTRP04	06/15/98	E	18.0	19.50	60.00	9.14	6.86	150.70	0.50
ECTRP05	06/15/98	E	18.0	19.60	60.00	9.02	7.19	169.00	0.80
ECTRP06	06/15/98	E	18.0	19.63	60.00	9.42	6.95	151.90	0.60
ECTRP04	06/15/98	H	21.0	19.33	60.00	9.23	6.85	150.90	NA
ECTRP05	06/15/98	H	21.0	16.94	59.00	9.49	7.19	170.30	0.80
ECTRP06	06/15/98	H	21.0	17.51	59.00	9.60	6.91	155.60	1.20
ECTRP05	06/15/98	H	24.0	14.96	59.00	9.57	7.07	176.60	0.80
ECTRP05	06/15/98	H	27.0	14.30	61.00	7.60	6.92	183.90	1.30

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP05	06/15/98	H	30.0	13.77	62.00	4.20	6.57	198.10	2.10
ECTRP03	06/16/98	E	0.0	20.06	60.00	9.25	7.30	170.10	0.90
ECTRP03	06/16/98	E	3.0	20.06	59.00	9.11	7.17	169.40	0.70
ECTRP03	06/16/98	E	6.0	20.07	59.00	9.12	7.04	172.50	0.60
ECTRP03	06/16/98	E	9.0	20.05	58.00	9.14	6.96	175.40	0.60
ECTRP03	06/16/98	E	12.0	20.03	59.00	9.10	6.90	176.70	0.60
ECTRP03	06/16/98	E	15.0	19.87	59.00	8.78	6.86	179.00	1.80
ECTRP03	06/16/98	E	16.0	19.84	59.00	8.45	6.82	179.60	NA
ECTRP01	08/03/98	E	0.0	26.25	64.00	8.79	6.92	177.60	0.70
ECTRP04	08/03/98	E	0.0	26.27	63.00	8.39	6.73	183.10	0.80
ECTRP05	08/03/98	E	0.0	25.33	64.00	8.84	7.57	130.30	1.20
ECTRP01	08/03/98	E	3.0	26.05	63.00	8.62	6.76	179.90	1.20
ECTRP04	08/03/98	E	3.0	25.64	63.00	8.37	6.63	182.80	0.70
ECTRP05	08/03/98	E	3.0	25.34	63.00	8.59	7.35	136.40	0.90
ECTRP01	08/03/98	E	6.0	25.86	63.00	8.61	6.67	180.30	0.90
ECTRP04	08/03/98	E	6.0	25.46	63.00	8.35	6.57	182.70	0.70
ECTRP05	08/03/98	E	6.0	25.33	63.00	8.54	7.19	142.20	0.80
ECTRP01	08/03/98	E	9.0	25.77	63.00	8.65	6.61	181.70	1.00
ECTRP04	08/03/98	E	9.0	25.36	63.00	8.29	6.53	183.90	0.70
ECTRP05	08/03/98	E	9.0	25.32	63.00	8.48	7.15	143.20	0.80
ECTRP01	08/03/98	E	12.0	25.72	63.00	8.67	6.58	180.10	NA
ECTRP04	08/03/98	E	12.0	25.32	63.00	8.26	6.50	184.10	0.70
ECTRP05	08/03/98	E	12.0	25.26	63.00	8.33	6.92	152.80	0.80
ECTRP04	08/03/98	E	15.0	25.20	63.00	8.17	6.45	186.10	1.00
ECTRP05	08/03/98	E	15.0	25.16	63.00	8.18	6.73	159.90	1.00
ECTRP04	08/03/98	E	18.0	25.12	63.00	8.15	6.39	187.40	0.80
ECTRP05	08/03/98	E	18.0	25.04	63.00	8.12	6.65	163.40	0.90
ECTRP05	08/03/98	H	21.0	21.30	62.00	8.17	6.29	179.00	1.00
ECTRP05	08/03/98	H	24.0	18.08	61.00	7.14	6.20	191.20	0.90
ECTRP05	08/03/98	H	27.0	16.56	62.00	3.12	5.74	207.40	1.30
ECTRP05	08/03/98	H	30.0	15.42	63.00	0.48	5.63	145.70	2.00
ECTRP03	08/04/98	E	0.0	25.67	62.00	8.06	7.03	83.70	0.60
ECTRP06	08/04/98	E	0.0	25.73	62.00	8.33	6.62	110.80	0.60
ECTRP03	08/04/98	E	3.0	25.68	62.00	8.01	6.94	86.90	0.50

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP06	08/04/98	E	3.0	25.71	61.00	8.17	6.59	110.30	0.50
ECTRP03	08/04/98	E	6.0	25.67	61.00	7.96	6.86	90.60	0.60
ECTRP06	08/04/98	E	6.0	25.65	61.00	8.12	6.60	108.80	0.50
ECTRP03	08/04/98	E	9.0	25.63	61.00	7.87	6.80	94.50	0.50
ECTRP06	08/04/98	E	9.0	25.60	61.00	8.00	6.54	112.70	0.50
ECTRP03	08/04/98	E	12.0	25.44	61.00	7.71	6.69	100.10	0.60
ECTRP06	08/04/98	E	12.0	25.49	61.00	7.85	6.51	115.00	0.40
ECTRP03	08/04/98	E	15.0	25.37	62.00	7.07	6.58	109.00	0.80
ECTRP06	08/04/98	E	15.0	25.32	61.00	7.81	6.48	117.90	0.40
ECTRP06	08/04/98	E	18.0	24.85	61.00	7.75	6.36	126.80	0.50
ECTRP06	08/04/98	H	21.0	21.94	60.00	7.41	6.28	138.90	0.60
ECTRP01	09/21/98	E	0.0	23.02	63.00	8.93	6.26	172.90	0.90
ECTRP05	09/21/98	E	0.0	22.48	64.00	8.95	6.91	169.20	1.30
ECTRP06	09/21/98	E	0.0	22.96	63.00	9.21	6.19	164.70	1.10
ECTRP01	09/21/98	E	3.0	22.96	63.00	8.90	6.26	172.40	1.00
ECTRP05	09/21/98	E	3.0	22.47	63.00	8.84	6.88	169.30	1.20
ECTRP06	09/21/98	E	3.0	22.73	63.00	8.95	6.25	161.80	1.00
ECTRP01	09/21/98	E	6.0	22.95	63.00	8.89	6.27	171.50	1.00
ECTRP05	09/21/98	E	6.0	22.46	63.00	8.84	6.82	171.60	1.20
ECTRP06	09/21/98	E	6.0	22.65	63.00	8.90	6.27	160.80	1.00
ECTRP01	09/21/98	E	9.0	22.94	63.00	8.89	6.22	173.80	1.00
ECTRP05	09/21/98	E	9.0	22.38	63.00	8.71	6.66	178.80	1.30
ECTRP06	09/21/98	E	9.0	22.58	63.00	8.89	6.19	165.60	1.00
ECTRP01	09/21/98	E	12.0	22.93	63.00	8.89	6.20	175.50	1.00
ECTRP05	09/21/98	E	12.0	22.29	63.00	8.83	6.60	180.90	1.40
ECTRP06	09/21/98	E	12.0	22.50	63.00	8.85	6.15	168.00	1.10
ECTRP01	09/21/98	E	14.0	22.93	63.00	8.79	6.17	177.00	3.60
ECTRP05	09/21/98	E	15.0	22.24	63.00	8.81	6.56	182.80	1.50
ECTRP06	09/21/98	E	15.0	22.39	63.00	8.87	6.15	168.60	1.00
ECTRP05	09/21/98	E	18.0	22.08	63.00	8.59	6.38	191.00	1.40
ECTRP06	09/21/98	E	18.0	22.10	63.00	8.32	6.14	169.70	1.30
ECTRP05	09/21/98	E	21.0	22.00	63.00	8.37	6.37	189.50	1.20
ECTRP05	09/21/98	E	24.0	21.54	63.00	7.46	6.37	187.30	1.30
ECTRP05	09/21/98	H	27.0	19.24	63.00	1.24	6.04	200.60	1.40

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP03	09/22/98	E	0.0	22.57	63.00	8.90	6.77	134.40	1.20
ECTRP04	09/22/98	E	0.0	22.52	63.00	8.68	7.10	163.30	1.00
ECTRP03	09/22/98	E	3.0	22.56	63.00	8.86	6.75	135.90	1.10
ECTRP04	09/22/98	E	3.0	22.52	63.00	8.66	7.06	164.20	1.10
ECTRP03	09/22/98	E	6.0	22.55	63.00	8.82	6.66	143.10	1.20
ECTRP04	09/22/98	E	6.0	22.53	63.00	8.65	6.96	167.70	1.00
ECTRP03	09/22/98	E	9.0	22.54	63.00	8.83	6.60	146.90	1.10
ECTRP04	09/22/98	E	9.0	22.52	63.00	8.64	6.87	172.40	0.80
ECTRP03	09/22/98	E	12.0	22.46	63.00	8.60	6.59	147.70	1.50
ECTRP04	09/22/98	E	12.0	22.50	63.00	8.64	6.82	172.60	1.00
ECTRP04	09/22/98	E	15.0	22.45	63.00	8.56	6.79	173.90	1.00
ECTRP04	09/22/98	E	18.0	22.36	63.00	8.37	6.75	171.50	1.00
ECTRP05	11/04/98	E	0.0	12.20	61.00	10.16	6.51	139.70	2.70
ECTRP05	11/04/98	E	3.0	12.14	60.00	10.10	6.45	143.10	2.90
ECTRP05	11/04/98	E	6.0	12.05	60.00	10.05	6.37	147.60	2.50
ECTRP05	11/04/98	E	9.0	12.01	60.00	10.04	6.40	145.90	2.00
ECTRP05	11/04/98	E	12.0	11.99	60.00	10.01	6.40	146.40	2.20
ECTRP05	11/04/98	E	15.0	11.97	60.00	10.02	6.34	150.10	2.10
ECTRP05	11/04/98	E	18.0	11.91	60.00	9.98	6.33	150.30	2.70
ECTRP05	11/04/98	E	21.0	11.89	60.00	9.92	6.31	152.90	2.60
ECTRP05	11/04/98	E	24.0	11.87	60.00	9.90	6.28	153.40	3.80
ECTRP05	11/04/98	E	27.0	11.85	60.00	9.88	6.31	153.60	3.80
ECTRP05	11/04/98	E	30.0	11.81	60.00	9.87	6.26	157.20	6.10
ECTRP01	11/09/98	E	0.0	10.23	61.00	10.28	6.59	326.20	2.70
ECTRP03	11/09/98	E	0.0	10.04	61.00	10.33	6.56	331.50	2.40
ECTRP04	11/09/98	E	0.0	10.43	61.00	10.12	6.60	325.00	3.30
ECTRP06	11/09/98	E	0.0	10.39	61.00	10.24	6.60	326.20	3.10
ECTRP01	11/09/98	E	3.0	10.14	61.00	10.23	6.68	321.10	2.60
ECTRP03	11/09/98	E	3.0	10.04	61.00	10.29	6.67	325.10	2.60
ECTRP04	11/09/98	E	3.0	10.44	61.00	10.13	6.67	322.10	3.10
ECTRP06	11/09/98	E	3.0	10.39	61.00	10.22	6.70	320.00	2.70
ECTRP01	11/09/98	E	6.0	10.10	61.00	10.19	6.68	323.10	2.60
ECTRP03	11/09/98	E	6.0	10.03	61.00	10.23	6.71	321.00	2.60
ECTRP04	11/09/98	E	6.0	10.43	61.00	10.11	6.72	320.50	3.00

Appendix A-3
FS-12 Surface Water Physicochemical Field Parameters used in Statistical Analyses

Location Identifier	Date	Limnion	Depth (ft.)	Temperature °C	Conductivity (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
ECTRP06	11/09/98	E	6.0	10.36	61.00	10.18	6.75	315.70	2.40
ECTRP01	11/09/98	E	9.0	10.07	61.00	10.18	6.68	323.10	2.60
ECTRP03	11/09/98	E	9.0	9.99	61.00	10.20	6.73	320.70	2.30
ECTRP04	11/09/98	E	9.0	10.41	61.00	10.10	6.73	319.20	2.90
ECTRP06	11/09/98	E	9.0	10.29	61.00	10.16	6.75	316.70	2.60
ECTRP01	11/09/98	E	12.0	9.95	61.00	10.18	6.70	323.20	2.70
ECTRP03	11/09/98	E	12.0	9.98	61.00	10.21	6.71	322.20	2.60
ECTRP04	11/09/98	E	12.0	10.36	61.00	10.10	6.72	319.30	2.80
ECTRP06	11/09/98	E	12.0	10.29	61.00	10.15	6.74	319.10	3.00
ECTRP03	11/09/98	E	15.0	9.94	61.00	10.20	6.73	321.10	3.50
ECTRP04	11/09/98	E	15.0	10.35	61.00	10.10	6.72	319.90	2.80
ECTRP06	11/09/98	E	15.0	10.25	61.00	10.15	6.75	319.20	2.90
ECTRP03	11/09/98	E	18.0	9.94	61.00	10.16	6.72	322.80	3.10
ECTRP04	11/09/98	E	18.0	10.32	61.00	10.11	6.72	321.00	2.70
ECTRP06	11/09/98	E	18.0	10.24	61.00	10.14	6.73	320.80	2.80
ECTRP04	11/09/98	E	21.0	10.24	61.00	10.25	6.73	321.00	4.10
ECTRP06	11/09/98	E	21.0	10.24	61.00	10.13	6.74	320.20	3.00
ECTRP06	11/09/98	E	24.0	10.23	61.00	10.13	6.72	321.60	2.60

C = Celsius

DO = dissolved oxygen

E = epilimnion

ft = feet

H = hypolimnion

mg/L = milligrams per liter

µS/cm = microSiemens per centimeter

mV = millivolts

NA = Data not available

NTU = nephelometric turbidity units

ORP = oxidation reduction potential

(intentionally blank)

Appendix A-4
FS-12 Analytical Results of DOC in Surface Water used in Statistical Analyses

Location Identifier	Date	Depth (ft.)	Limnion	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
Snake Pond (Potentially Impacted Site)						
ECSNP01	11/19/96	3.0	E	1.50	0.40	
ECSNP02	11/19/96	3.0	E	1.30	0.40	
ECSNP02	04/14/97	3.0	E	0.26	0.52	U
ECSNP02	07/07/97	3.0	E	8.73	0.52	
ECSNP02	08/14/97	3.0	E	4.58	0.52	
ECSNP02	08/27/97	3.0	E	2.28	0.52	J
ECSNP02	10/02/97	3.0	E	0.26	0.52	U
ECSNP02	05/06/98	3.0	E	1.62	0.34	
ECSNP02	06/15/98	3.0	E	1.90	0.34	
ECSNP02	08/03/98	3.0	E	2.51	0.34	
ECSNP02	09/22/98	3.0	E	2.15	0.34	
ECSNP03	11/19/96	3.0	E	1.50	0.40	
ECSNP03	04/11/97	3.0	E	0.26	0.52	U
ECSNP03	07/07/97	3.0	E	2.96	0.52	
ECSNP03	08/14/97	0.0	E	0.26	0.52	U
ECSNP03	08/14/97	24.0	H	0.26	0.52	U
ECSNP03	08/27/97	3.0	E	0.26	0.52	U
ECSNP03	10/01/97	3.0	E	0.26	0.52	U
ECSNP03	05/07/98	3.0	E	1.62	0.34	
ECSNP03	05/07/98	21.0	H	1.92	0.34	
ECSNP03	06/15/98	3.0	E	1.76	0.34	
ECSNP03	06/15/98	21.0	H	1.64	0.34	
ECSNP03	08/03/98	3.0	E	2.52	0.34	
ECSNP03	08/03/98	24.0	H	2.29	0.34	
ECSNP03	09/21/98	3.0	E	2.05	0.34	
ECSNP03	09/21/98	30.0	H	1.88	0.34	
ECSNP03	11/05/98	3.0	E	1.83	0.34	
ECSNP04	11/20/96	3.0	E	2.30	0.40	
ECSNP05	11/20/96	3.0	E	1.40	0.40	
ECSNP06	04/14/97	3.0	E	0.26	0.52	UJ
ECSNP06	07/02/97	3.0	E	1.38	0.10	
ECSNP06	07/02/97	21.0	H	2.92	0.52	
ECSNP06	08/14/97	3.0	E	0.26	0.52	U
ECSNP06	08/14/97	24.0	H	0.26	0.52	U
ECSNP06	08/27/97	3.0	E	0.26	0.52	U
ECSNP06	08/27/97	27.0	H	0.26	0.52	U
ECSNP06	10/02/97	3.0	E	0.26	0.52	U
ECSNP06	05/06/98	3.0	E	1.68	0.34	
ECSNP06	05/06/98	15.0	H	1.62	0.34	
ECSNP06	06/15/98	3.0	E	1.85	0.34	
ECSNP06	08/03/98	3.0	E	2.96	0.34	
ECSNP06	08/03/98	21.0	H	3.10	0.34	
ECSNP06	09/21/98	3.0	E	1.48	2.96	U

Appendix A-4
FS-12 Analytical Results of DOC in Surface Water used in Statistical Analyses

Location Identifier	Date	Depth (ft.)	Limnion	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
ECSNP06	11/05/98	3.0	E	3.08	0.34	
ECSNP07	04/14/97	3.0	E	0.26	0.52	U
ECSNP07	07/01/97	3.0	E	2.98	0.52	
ECSNP07	08/15/97	3.0	E	0.26	0.52	U
ECSNP07	08/27/97	3.0	E	0.26	0.52	U
ECSNP07	10/02/97	3.0	E	0.26	0.52	U
ECSNP07	05/06/98	3.0	E	1.86	0.34	
ECSNP07	06/15/98	3.0	E	1.72	0.34	
ECSNP07	08/03/98	3.0	E	3.14	0.34	
ECSNP07	09/21/98	3.0	E	2.66	0.34	
ECSNP07	11/05/98	3.0	E	2.04	0.34	
ECSNP08	04/11/97	3.0	E	0.26	0.52	U
ECSNP08	07/02/97	3.0	E	1.82	0.52	
ECSNP08	08/15/97	3.0	E	2.12	0.52	
ECSNP08	08/27/97	3.0	E	0.26	0.52	U
ECSNP08	10/01/97	3.0	E	0.26	0.52	U
ECSNP08	05/06/98	3.0	E	1.88	0.34	
ECSNP08	06/15/98	3.0	E	2.18	0.34	
ECSNP08	08/03/98	3.0	E	3.50	0.34	
ECSNP08	09/21/98	3.0	E	2.58	0.34	
ECSNP08	11/05/98	3.0	E	2.81	0.34	
Peters Pond (Reference Area)						
ECPTP01	07/10/97	3.0	E	2.25	0.52	
ECPTP01	08/20/97	3.0	E	0.26	0.52	U
ECPTP01	09/05/97	3.0	E	3.95	0.52	J
ECPTP01	10/06/97	3.0	E	0.26	0.52	U
ECPTP01	05/19/98	3.0	E	1.99	0.34	
ECPTP01	06/18/98	3.0	E	2.11	0.34	
ECPTP01	08/05/98	3.0	E	3.32	0.34	
ECPTP01	09/24/98	3.0	E	4.36	0.34	
ECPTP01	11/10/98	3.0	E	3.59	0.34	
ECPTP02	07/09/97	3.0	E	3.18	0.52	
ECPTP02	08/20/97	3.0	E	0.26	0.52	U
ECPTP02	09/05/97	3.0	E	0.26	0.52	U
ECPTP02	10/07/97	3.0	E	0.26	0.52	U
ECPTP02	05/19/98	3.0	E	2.08	0.34	
ECPTP02	05/19/98	29.0	H	2.54	0.34	
ECPTP02	06/18/98	3.0	E	2.36	0.34	
ECPTP02	06/18/98	33.0	H	2.02	0.34	
ECPTP02	08/06/98	3.0	E	2.71	0.34	
ECPTP02	08/06/98	29.0	H	2.28	0.34	
ECPTP02	09/25/98	3.0	E	4.54	0.34	
ECPTP02	11/09/98	3.0	E	2.39	0.34	
ECPTP03	07/10/97	3.0	E	0.85	0.52	J

Appendix A-4
FS-12 Analytical Results of DOC in Surface Water used in Statistical Analyses

Location Identifier	Date	Depth (ft.)	Limnion	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
ECPTP03	08/22/97	3.0	E	4.53	0.52	J
ECPTP03	08/22/97	30.5	H	0.26	0.52	U
ECPTP03	09/05/97	3.0	E	0.26	0.52	U
ECPTP03	10/07/97	3.0	E	0.26	0.52	U
ECPTP03	05/20/98	3.0	E	2.14	0.34	
ECPTP03	06/18/98	3.0	E	2.52	0.34	
ECPTP03	08/06/98	3.0	E	3.08	0.34	
ECPTP03	09/25/98	3.0	E	2.14	4.27	U
ECPTP03	11/10/98	3.0	E	3.61	0.34	
ECPTP04	07/09/97	3.0	E	2.37	0.52	
ECPTP04	07/09/97	19.0	H	1.94	0.52	
ECPTP04	08/20/97	3.0	E	0.26	0.52	U
ECPTP04	08/20/97	33.0	H	4.67	0.52	J
ECPTP04	09/03/97	3.0	E	3.90	0.52	J
ECPTP04	10/07/97	3.0	E	0.26	0.52	U
ECPTP04	05/19/98	3.0	E	2.14	0.34	
ECPTP04	05/19/98	29.0	H	1.93	0.34	
ECPTP04	06/18/98	3.0	E	1.99	0.34	
ECPTP04	06/18/98	33.0	H	2.19	0.34	
ECPTP04	08/06/98	3.0	E	2.65	0.34	
ECPTP04	08/06/98	35.0	H	2.22	0.34	
ECPTP04	09/25/98	3.0	E	2.66	0.34	J
ECPTP04	09/25/98	37.0	H	3.55	0.34	
ECPTP04	11/10/98	3.0	E	2.42	0.34	
ECPTP05	07/10/97	3.0	E	2.60	0.10	
ECPTP05	07/10/97	36.0	H	2.04	0.52	
ECPTP05	08/22/97	3.0	E	0.26	0.52	U
ECPTP05	08/22/97	27.0	H	0.26	0.52	U
ECPTP05	09/04/97	3.0	E	4.32	0.52	J
ECPTP05	10/07/97	3.0	E	0.26	0.52	U
ECPTP05	05/20/98	3.0	E	2.62	0.34	
ECPTP05	06/17/98	3.0	E	2.24	0.34	
ECPTP05	06/17/98	33.0	H	2.06	0.34	
ECPTP05	08/06/98	3.0	E	2.94	0.34	
ECPTP05	08/06/98	26.0	H	2.56	0.34	
ECPTP05	09/25/98	3.0	E	3.96	0.34	
ECPTP05	11/09/98	3.0	E	2.09	0.34	
Triangle Pond (Reference Area)						
ECTRP01	11/12/96	3.0	E	2.50	0.40	
ECTRP01	04/18/97	3.0	E	0.26	0.52	U
ECTRP01	07/08/97	3.0	E	1.30	2.60	U
ECTRP01	08/14/97	3.0	E	4.02	0.52	
ECTRP01	08/27/97	3.0	E	1.37	2.74	U
ECTRP01	10/01/97	3.0	E	0.26	0.52	U

Appendix A-4
FS-12 Analytical Results of DOC in Surface Water used in Statistical Analyses

Location Identifier	Date	Depth (ft.)	Limnion	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
ECTRP01	05/08/98	3.0	E	1.16	0.34	
ECTRP01	06/15/98	3.0	E	2.01	0.34	
ECTRP01	08/03/98	3.0	E	3.56	0.34	
ECTRP01	09/21/98	3.0	E	2.10	0.34	
ECTRP01	11/05/98	3.0	E	2.95	0.34	
ECTRP02	11/12/96	3.0	E	2.20	0.40	
ECTRP02	04/18/97	3.0	E	0.26	0.52	U
ECTRP03	11/12/96	3.0	E	2.60	0.40	
ECTRP03	04/18/97	3.0	E	0.26	0.52	U
ECTRP03	07/08/97	3.0	E	4.43	0.52	
ECTRP03	08/15/97	3.0	E	0.26	0.52	U
ECTRP03	08/28/97	3.0	E	0.26	0.52	U
ECTRP03	10/01/97	3.0	E	0.26	0.52	U
ECTRP03	05/08/98	3.0	E	1.64	0.34	
ECTRP03	06/16/98	3.0	E	2.45	0.34	
ECTRP03	08/04/98	3.0	E	2.60	0.34	
ECTRP03	09/22/98	3.0	E	1.03	2.05	U
ECTRP03	11/05/98	3.0	E	2.66	0.34	
ECTRP04	11/12/96	3.0	E	2.80	0.40	
ECTRP04	04/21/97	3.0	E	0.26	0.52	U
ECTRP04	07/08/97	3.0	E	2.18	0.52	
ECTRP04	08/14/97	3.0	E	3.72	0.52	
ECTRP04	08/27/97	3.0	E	0.26	0.52	U
ECTRP04	10/01/97	3.0	E	0.26	0.52	U
ECTRP04	05/07/98	3.0	E	1.30	0.34	
ECTRP04	06/15/98	3.0	E	1.68	0.34	
ECTRP04	08/03/98	3.0	E	2.65	0.34	
ECTRP04	09/22/98	3.0	E	2.16	0.34	
ECTRP04	11/05/98	3.0	E	2.42	0.34	
ECTRP05	11/12/96	3.0	E	3.00	0.40	
ECTRP05	04/21/97	3.0	E	0.26	0.52	U
ECTRP05	07/08/97	3.0	E	0.26	0.52	U
ECTRP05	07/08/97	19.0	H	2.86	0.52	
ECTRP05	08/14/97	3.0	E	4.53	0.52	
ECTRP05	08/27/97	3.0	E	0.26	0.52	U
ECTRP05	10/01/97	3.0	E	0.26	0.52	U
ECTRP05	05/07/98	3.0	E	1.56	0.34	
ECTRP05	05/07/98	17.0	H	1.74	0.34	
ECTRP05	06/15/98	3.0	E	1.60	0.34	
ECTRP05	06/15/98	27.0	H	1.55	0.34	
ECTRP05	08/03/98	3.0	E	2.08	0.34	
ECTRP05	08/03/98	24.0	H	2.48	0.34	
ECTRP05	09/21/98	3.0	E	1.69	0.34	
ECTRP05	09/21/98	30.0	H	1.90	0.34	

Appendix A-4
FS-12 Analytical Results of DOC in Surface Water used in Statistical Analyses

Location Identifier	Date	Depth (ft.)	Limnion	Result (mg/L)*	Detection Limit (mg/L)	Qualifier
ECTR05	11/04/98	3.0	E	1.63	0.34	
ECTR06	07/09/97	3.0	E	2.18	0.52	
ECTR06	08/15/97	3.0	E	0.26	0.52	U
ECTR06	08/15/97	23.0	H	5.52	0.52	
ECTR06	08/28/97	3.0	E	4.72	0.52	
ECTR06	10/02/97	3.0	E	0.26	0.52	U
ECTR06	05/08/98	3.0	E	1.76	0.34	
ECTR06	05/08/98	17.0	H	1.57	0.34	
ECTR06	06/15/98	3.0	E	1.67	0.34	
ECTR06	08/04/98	3.0	E	2.41	0.34	
ECTR06	09/21/98	3.0	E	2.20	0.34	
ECTR06	11/05/98	3.0	E	2.32	0.34	

E = epilimnion

ft = feet

H = hypolimnion

mg/L = milligrams per liter

* = At locations in which DOC was not detected, values in the results column are half of the detection limit.

U = The analyte was not detected above the reported detection limit.

J = The analyte was positively identified; the associated numerical value is an estimated concentration.

APPENDIX B

WATER LEVELS

Appendix B-1
FS-12 Ecological Monitoring
Synoptic Water Levels

LOCATION ID	WELL TYPE	PVC Elevation	DTW	Water Elevation	DATE
90ITW0002A	Monitoring well	155.02	82.61	72.41	5/15/98
90JB0006A	Monitoring well	132.72	53.88	78.84	5/11/98
90JB0006B	Monitoring well	132.52	53.78	78.74	5/11/98
90JB0020	Monitoring well	125.42	54.57	70.85	5/11/98
90MP0059A	Multi-level well	78.15	6.13	72.02	5/11/98
90MP0059B	Multi-level well	78.20	5.82	72.38	5/11/98
90MP0059C	Multi-level well	78.19	5.82	72.37	5/11/98
90MP0059D	Multi-level well	78.11	5.82	72.29	5/11/98
90MP0059E	Multi-level well	78.14	5.82	72.32	5/11/98
90MP0059F	Multi-level well	78.16	5.82	72.34	5/11/98
90MP0060A	Multi-level well	83.07	11.13	71.94	5/11/98
90MP0060B	Multi-level well	83.19	11.13	72.06	5/11/98
90MP0060C	Multi-level well	83.19	11.13	72.06	5/11/98
90MP0060D	Multi-level well	83.12	11.13	71.99	5/11/98
90MP0060E	Multi-level well	83.13	11.13	72	5/11/98
90MP0060F	Multi-level well	83.09	11.13	71.96	5/11/98
90MW0003	Monitoring well	159.15	87.30	71.85	5/11/98
90MW0004	Monitoring well	83.46	10.85	72.61	5/11/98
90MW0009	Monitoring well	134.11	62.48	71.63	5/11/98
90MW0010	Monitoring well	78.90	6.66	72.24	5/11/98
90MW0011	Monitoring well	78.87	7.04	71.83	5/11/98
90MW0012	Monitoring well	155.41	83.88	71.53	5/11/98
90MW0015	Monitoring well	78.96	7.03	71.93	5/11/98
90MW0016	Monitoring well	155.39	83.84	71.55	5/11/98
90MW0024	Monitoring well	143.62	72.12	71.5	5/11/98
90MW0026	Monitoring well	137.83	67.49	70.34	5/11/98
90MW0027	Monitoring well	136.39	64.80	71.59	5/11/98
90MW0028	Monitoring well	144.53	72.52	72.01	5/11/98
90MW0032	Monitoring well	152.46	85.50	66.96	5/11/98
90MW0040	Monitoring well	147.39	76.05	71.34	5/11/98
90MW0044	Monitoring well	152.08	80.29	71.79	5/11/98
90MW0048	Monitoring well	136.41	64.85	71.56	5/11/98
90MW0049	Monitoring well	80.74	8.95	71.79	5/11/98
90MW0050	Monitoring well	82.67	10.91	71.76	5/11/98
90MW0053	Monitoring well	149.75	78.51	71.24	5/14/98
90MW0054	Monitoring well	83.42	11.02	72.4	5/11/98
90MW0058	Monitoring well	98.35	26.26	72.09	5/11/98
90MW0085A	Monitoring well	113.24	41.47	71.77	5/11/98
90MW0085B	Monitoring well	113.20	41.45	71.75	5/11/98
90PZ0205	Monitoring well	74.06	2.15	71.91	5/11/98
90PZ0207	Monitoring well	81.24	8.29	72.95	5/11/98
90PZ0209	Monitoring well	76.53	4.49	72.04	5/11/98
90PZ0212	Monitoring well	74.28	2.06	72.22	5/14/98
90PZ0P1C	Piezometer	73.48	1.65	71.83	5/11/98
90WT0005	Monitoring well	120.74	48.05	72.69	5/11/98
90WT0014	Monitoring well	153.99	83.20	70.79	5/14/98
ECMWPTP01S	Monitoring well	72.11	3.16	68.95	5/14/98
ECMWRBP01D	Monitoring Well	25.75	7.19	18.56	5/11/98
ECMWSNP01	Monitoring well	95.74	23.80	71.94	5/14/98
ECMWTRP01D	Monitoring well	98.04	31.91	66.13	5/14/98
ECMWTRP01S	Monitoring well	98.04	31.40	66.64	5/14/98
ECMWTRP02	Monitoring well	94.71	28.85	65.86	5/14/98
ECPZSNP01	Piezometer	72.14	0.58	71.56	5/11/98

Appendix B-1
FS-12 Ecological Monitoring
Synoptic Water Levels

LOCATION ID	WELL TYPE	PVC Elevation	DTW	Water Elevation	DATE
ECPZSNP02	Piezometer	72.39	0.75	71.64	5/11/98
ECPZSNP10A	Micro well	72.15	0.43	71.72	5/11/98
ECPZSNP10B	Micro well	72.06	0.35	71.71	5/11/98
ECPZWK01	Micro well	85.85	14.27	71.58	5/15/98

Appendix B-2
FS-12 Ecological Monitoring
Surface Water Levels
Ponds

Pond	Class	Location	Date	Elevation
Peters	Reference	ECSGPTP01	05/21/1997	71.34
Peters	Reference	ECSGPTP01	06/04/1997	71.45
Peters	Reference	ECSGPTP01	06/24/1997	71.43
Peters	Reference	ECSGPTP01	07/07/1997	71.38
Peters	Reference	ECSGPTP01	07/15/1997	71.29
Peters	Reference	ECSGPTP01	07/21/1997	71.29
Peters	Reference	ECSGPTP01	07/28/1997	71.4
Peters	Reference	ECSGPTP01	08/04/1997	71.27
Peters	Reference	ECSGPTP01	08/11/1997	71.27
Peters	Reference	ECSGPTP01	08/18/1997	71.37
Peters	Reference	ECSGPTP01	08/25/1997	71.38
Peters	Reference	ECSGPTP01	09/02/1997	71.27
Peters	Reference	ECSGPTP01	09/08/1997	71.27
Peters	Reference	ECSGPTP01	09/15/1997	71.1
Peters	Reference	ECSGPTP01	09/22/1997	71
Peters	Reference	ECSGPTP01	09/29/1997	70.99
Peters	Reference	ECSGPTP01	10/06/1997	70.86
Peters	Reference	ECSGPTP01	10/27/1997	70.67
Peters	Reference	ECSGPTP01	11/05/1997	70.78
Peters	Reference	ECSGPTP01	11/17/1997	70.8
Peters	Reference	ECSGPTP01	12/01/1997	71.65
Peters	Reference	ECSGPTP01	12/15/1997	70.51
Peters	Reference	ECSGPTP01	01/09/1998	70.48
Peters	Reference	ECSGPTP01	01/19/1998	70.57
Peters	Reference	ECSGPTP01	02/03/1998	70.75
Peters	Reference	ECSGPTP01	05/18/1998	72.1
Peters	Reference	ECSGPTP01	06/05/1998	72
Peters	Reference	ECSGPTP01	06/12/1998	72
Peters	Reference	ECSGPTP01	06/19/1998	72.3
Peters	Reference	ECSGPTP01	06/26/1998	72.3
Peters	Reference	ECSGPTP01	07/08/1998	72.3
Peters	Reference	ECSGPTP01	07/17/1998	72.3
Peters	Reference	ECSGPTP01	07/24/1998	72.3
Peters	Reference	ECSGPTP01	07/31/1998	72.3
Peters	Reference	ECSGPTP01	08/07/1998	72.3
Peters	Reference	ECSGPTP01	08/14/1998	72.3
Peters	Reference	ECSGPTP01	08/21/1998	72.3
Peters	Reference	ECSGPTP01	08/28/1998	72.3
Peters	Reference	ECSGPTP01	09/11/1998	72.3
Peters	Reference	ECSGPTP01	10/02/1998	72.3
Peters	Reference	ECSGPTP01	10/09/1998	72.3
Peters	Reference	ECSGPTP01	10/16/1998	72.3
Peters	Reference	ECSGPTP01	10/23/1998	72.3
Peters	Reference	ECSGPTP01	10/30/1998	72.3
Peters	Reference	ECSGPTP01	11/13/1998	72.3
Peters	Reference	ECSGPTP01	11/25/1998	72.3
Peters	Reference	ECSGPTP01	12/11/1998	72.3

Appendix B-2
FS-12 Ecological Monitoring
Surface Water Levels
Ponds

Pond	Class	Location	Date	Elevation
Snake	Study	ECSGNP01	12/16/1996	69
Snake	Study	ECSGNP01	01/07/1997	69.24
Snake	Study	ECSGNP01	04/14/1997	70.06
Snake	Study	ECSGNP01	05/21/1997	70.42
Snake	Study	ECSGNP01	06/04/1997	70.53
Snake	Study	ECSGNP01	06/24/1997	70.6
Snake	Study	ECSGNP01	07/07/1997	70.6
Snake	Study	ECSGNP01	07/15/1997	70.48
Snake	Study	ECSGNP01	07/21/1997	70.44
Snake	Study	ECSGNP01	07/28/1997	70.70
Snake	Study	ECSGNP01	08/04/1997	70.6
Snake	Study	ECSGNP01	08/11/1997	70.54
Snake	Study	ECSGNP01	08/18/1997	70.64
Snake	Study	ECSGNP01	08/25/1997	70.66
Snake	Study	ECSGNP01	09/02/1997	70.54
Snake	Study	ECSGNP01	09/08/1997	70.42
Snake	Study	ECSGNP01	09/15/1997	70.36
Snake	Study	ECSGNP01	09/22/1997	70.24
Snake	Study	ECSGNP01	09/29/1997	70.2
Snake	Study	ECSGNP01	10/06/1997	70.12
Snake	Study	ECSGNP01	10/27/1997	69.96
Snake	Study	ECSGNP01	11/05/1997	70.02
Snake	Study	ECSGNP01	11/17/1997	70.1
Snake	Study	ECSGNP01	12/01/1997	69.92
Snake	Study	ECSGNP01	12/15/1997	69.76
Snake	Study	ECSGNP01	01/09/1998	69.67
Snake	Study	ECSGNP01	01/19/1998	69.74
Snake	Study	ECSGNP01	05/18/1998	71.52
Snake	Study	ECSGNP01	06/05/1998	71.66
Snake	Study	ECSGNP01	06/12/1998	71.62
Snake	Study	ECSGNP01	06/19/1998	72.16
Snake	Study	ECSGNP01	06/26/1998	72.16
Snake	Study	ECSGNP01	07/08/1998	72.3
Snake	Study	ECSGNP01	07/17/1998	72.24
Snake	Study	ECSGNP01	07/24/1998	72.22
Snake	Study	ECSGNP01	07/31/1998	72.24
Snake	Study	ECSGNP01	08/07/1998	72.14
Snake	Study	ECSGNP01	08/14/1998	72.14
Snake	Study	ECSGNP01	08/21/1998	72.24
Snake	Study	ECSGNP01	08/28/1998	72.21
Snake	Study	ECSGNP01	09/11/1998	72.14
Snake	Study	ECSGNP01	10/02/1998	71.96
Snake	Study	ECSGNP01	10/09/1998	72
Snake	Study	ECSGNP01	10/16/1998	72.02
Snake	Study	ECSGNP01	10/23/1998	71.86
Snake	Study	ECSGNP01	10/30/1998	71.78

Appendix B-2
FS-12 Ecological Monitoring
Surface Water Levels
Ponds

Pond	Class	Location	Date	Elevation
Snake	Study	ECSGNP01	11/13/1998	71.69
Snake	Study	ECSGNP01	11/25/1998	71.56
Snake	Study	ECSGNP01	12/11/1998	71.34
Triangle	Reference	ECSGTRP01	05/21/1997	67.22
Triangle	Reference	ECSGTRP01	06/04/1997	67.33
Triangle	Reference	ECSGTRP01	06/24/1997	67.31
Triangle	Reference	ECSGTRP01	07/07/1997	67.26
Triangle	Reference	ECSGTRP01	07/15/1997	67.17
Triangle	Reference	ECSGTRP01	07/21/1997	67.17
Triangle	Reference	ECSGTRP01	07/28/1997	67.28
Triangle	Reference	ECSGTRP01	08/04/1997	67.15
Triangle	Reference	ECSGTRP01	08/11/1997	67.15
Triangle	Reference	ECSGTRP01	08/18/1997	67.25
Triangle	Reference	ECSGTRP01	08/25/1997	67.26
Triangle	Reference	ECSGTRP01	09/02/1997	67.15
Triangle	Reference	ECSGTRP01	09/08/1997	67.15
Triangle	Reference	ECSGTRP01	09/15/1997	66.98
Triangle	Reference	ECSGTRP01	09/22/1997	66.88
Triangle	Reference	ECSGTRP01	09/29/1997	66.87
Triangle	Reference	ECSGTRP01	10/06/1997	66.74
Triangle	Reference	ECSGTRP01	10/27/1997	66.56
Triangle	Reference	ECSGTRP01	11/05/1997	66.62
Triangle	Reference	ECSGTRP01	11/17/1997	66.66
Triangle	Reference	ECSGTRP01	12/01/1997	66.58
Triangle	Reference	ECSGTRP01	12/15/1997	66.41
Triangle	Reference	ECSGTRP01	01/09/1998	66.4
Triangle	Reference	ECSGTRP01	01/19/1998	66.46
Triangle	Reference	ECSGTRP01	02/03/1998	66.68
Triangle	Reference	ECSGTRP01	02/20/1998	67
Triangle	Reference	ECSGTRP01	05/18/1998	68.18
Triangle	Reference	ECSGTRP01	06/05/1998	68.18
Triangle	Reference	ECSGTRP01	06/12/1998	68.18
Triangle	Reference	ECSGTRP01	06/19/1998	68.18
Triangle	Reference	ECSGTRP01	06/26/1998	68.18
Triangle	Reference	ECSGTRP01	07/08/1998	68.18
Triangle	Reference	ECSGTRP01	07/17/1998	68.18
Triangle	Reference	ECSGTRP01	07/24/1998	68.18
Triangle	Reference	ECSGTRP01	07/31/1998	68.18
Triangle	Reference	ECSGTRP01	08/07/1998	68.18
Triangle	Reference	ECSGTRP01	08/14/1998	68.18
Triangle	Reference	ECSGTRP01	08/21/1998	68.18
Triangle	Reference	ECSGTRP01	08/28/1998	68.18
Triangle	Reference	ECSGTRP01	09/11/1998	68.18
Triangle	Reference	ECSGTRP01	10/02/1998	68.18
Triangle	Reference	ECSGTRP01	10/09/1998	68.18
Triangle	Reference	ECSGTRP01	10/16/1998	68.18

Appendix B-2
FS-12 Ecological Monitoring
Surface Water Levels
Ponds

Pond	Class	Location	Date	Elevation
Triangle	Reference	ECSGTRP01	10/23/1998	68.08
Triangle	Reference	ECSGTRP01	10/30/1998	68.06
Triangle	Reference	ECSGTRP01	11/13/1998	68.13
Triangle	Reference	ECSGTRP01	11/25/1998	67.76
Triangle	Reference	ECSGTRP01	12/11/1998	67.55
Weeks	Study	ECSGWKP01	05/21/1997	70.06
Weeks	Study	ECSGWKP01	06/04/1997	70.23
Weeks	Study	ECSGWKP01	06/24/1997	70.21
Weeks	Study	ECSGWKP01	07/07/1997	70.23
Weeks	Study	ECSGWKP01	07/15/1997	70.15
Weeks	Study	ECSGWKP01	07/21/1997	70.07
Weeks	Study	ECSGWKP01	07/28/1997	70.27
Weeks	Study	ECSGWKP01	08/04/1997	70.19
Weeks	Study	ECSGWKP01	08/11/1997	70.15
Weeks	Study	ECSGWKP01	08/18/1997	70.27
Weeks	Study	ECSGWKP01	08/25/1997	70.23
Weeks	Study	ECSGWKP01	09/02/1997	70.15
Weeks	Study	ECSGWKP01	09/08/1997	70.03
Weeks	Study	ECSGWKP01	09/15/1997	69.95
Weeks	Study	ECSGWKP01	09/22/1997	69.87
Weeks	Study	ECSGWKP01	10/06/1997	69.68
Weeks	Study	ECSGWKP01	10/27/1997	70.39
Weeks	Study	ECSGWKP01	11/05/1997	69.55
Weeks	Study	ECSGWKP01	11/17/1997	69.53
Weeks	Study	ECSGWKP01	12/01/1997	69.41
Weeks	Study	ECSGWKP01	12/15/1997	69.17
Weeks	Study	ECSGWKP01	01/09/1998	69.09
Weeks	Study	ECSGWKP01	01/19/1998	69.15
Weeks	Study	ECSGWKP01	05/18/1998	71.14
Weeks	Study	ECSGWKP01	06/05/1998	71.34
Weeks	Study	ECSGWKP01	06/12/1998	71.34
Weeks	Study	ECSGWKP01	06/19/1998	71.83
Weeks	Study	ECSGWKP01	06/26/1998	71.83
Weeks	Study	ECSGWKP01	07/08/1998	71.93
Weeks	Study	ECSGWKP01	07/17/1998	71.88
Weeks	Study	ECSGWKP01	07/24/1998	71.87
Weeks	Study	ECSGWKP01	07/31/1998	71.86
Weeks	Study	ECSGWKP01	08/07/1998	71.78
Weeks	Study	ECSGWKP01	08/14/1998	71.78
Weeks	Study	ECSGWKP01	08/21/1998	71.84
Weeks	Study	ECSGWKP01	08/28/1998	71.82
Weeks	Study	ECSGWKP01	09/11/1998	71.76
Weeks	Study	ECSGWKP01	10/02/1998	71.76
Weeks	Study	ECSGWKP01	10/09/1998	71.6
Weeks	Study	ECSGWKP01	10/16/1998	71.58
Weeks	Study	ECSGWKP01	10/23/1998	71.38

Appendix B-2
FS-12 Ecological Monitoring
Surface Water Levels
Ponds

Pond	Class	Location	Date	Elevation
Weeks	Study	ECSGWKP01	10/30/1998	71.36
Weeks	Study	ECSGWKP01	11/13/1998	71.23
Weeks	Study	ECSGWKP01	11/25/1998	71.08
Weeks	Study	ECSGWKP01	12/11/1998	70.85

**Appendix B-3
FS-12 Water Level Measurements-2 wells**

Well I.D.	Relative Location	Date of Measure	Surveyed Top of Casing ft	Static Depth to Water ft	Groundwater Elevation ft
90MW0020	upgradient	12/28/1998	139.45	68.45	71
90MW0020	upgradient	11/18/1998	139.45	68	71.45
90MW0020	upgradient	10/29/1998	139.45	67.7	71.75
90MW0020	upgradient	10/27/1998	139.45	67.7	71.75
90MW0020	upgradient	10/14/1998	139.45	67.53	71.92
90MW0020	upgradient	09/29/1998	139.45	67.48	71.97
90MW0020	upgradient	09/09/1998	139.45	67.33	72.12
90MW0020	upgradient	06/24/1998	139.45	67.15	72.3
90MW0020	upgradient	06/01/1998	139.45	67.61	71.84
90MW0020	upgradient	04/23/1998	139.45	68.16	71.29
90MW0020	upgradient	02/25/1998	139.45	69.65	69.8
90MW0020	upgradient	02/23/1998	139.45	69.65	69.8
90MW0020	upgradient	01/29/1998	139.45	70.14	69.31
90MW0020	upgradient	12/17/1997	139.45	70.1	69.35
90MW0020	upgradient	11/20/1997	139.45	69.78	69.67
90MW0058	downgradient	11/04/1996	98.35	30.25	68.1
90MW0058	downgradient	09/17/1997	98.35	28.18	70.17
90MW0058	downgradient	09/19/1997	98.35	28.21	70.14
90MW0058	downgradient	09/22/1997	98.35	28.1	70.25
90MW0058	downgradient	09/24/1997	98.35	27.98	70.37
90MW0058	downgradient	09/26/1997	98.35	28.28	70.07
90MW0058	downgradient	09/29/1997	98.35	28.32	70.03
90MW0058	downgradient	10/01/1997	98.35	28.26	70.09
90MW0058	downgradient	10/03/1997	98.35	28.41	69.94
90MW0058	downgradient	10/06/1997	98.35	28.35	70
90MW0058	downgradient	10/09/1997	98.35	28.3	70.05
90MW0058	downgradient	10/10/1997	98.35	28.34	70.01
90MW0058	downgradient	10/13/1997	98.35	28.32	70.03
90MW0058	downgradient	10/15/1997	98.35	27.32	71.03
90MW0058	downgradient	10/17/1997	98.35	28.34	70.01
90MW0058	downgradient	10/22/1997	98.35	28.23	70.12
90MW0058	downgradient	10/24/1997	98.35	28.3	70.05
90MW0058	downgradient	10/27/1997	98.35	28.41	69.94
90MW0058	downgradient	10/29/1997	98.35	28.56	69.79
90MW0058	downgradient	10/31/1997	98.35	28.54	69.81
90MW0058	downgradient	11/03/1997	98.35	28.57	69.78
90MW0058	downgradient	11/05/1997	98.35	28.61	69.74
90MW0058	downgradient	11/07/1997	98.35	28.5	69.85
90MW0058	downgradient	11/10/1997	98.35	28.36	69.99
90MW0058	downgradient	11/12/1997	98.35	28.42	69.93
90MW0058	downgradient	11/14/1997	98.35	28.51	69.84
90MW0058	downgradient	11/17/1997	98.35	28.17	70.18
90MW0058	downgradient	11/19/1997	98.35	28.24	70.11
90MW0058	downgradient	11/21/1997	98.35	28.36	69.99

**Appendix B-3
FS-12 Water Level Measurements-2 wells**

Well I.D.	Relative Location	Date of Measure	Surveyed Top of Casing ft	Static Depth to Water ft	Groundwater Elevation ft
90MW0058	downgradient	11/24/1997	98.35	28.41	69.94
90MW0058	downgradient	11/26/1997	98.35	28.53	69.82
90MW0058	downgradient	12/01/1997	98.35	28.55	69.8
90MW0058	downgradient	12/08/1997	98.35	28.65	69.7
90MW0058	downgradient	12/15/1997	98.35	28.69	69.66
90MW0058	downgradient	12/22/1997	98.35	28.68	69.67
90MW0058	downgradient	12/30/1997	98.35	28.82	69.53
90MW0058	downgradient	01/07/1998	98.35	28.82	69.53
90MW0058	downgradient	01/13/1998	98.35	28.85	69.5
90MW0058	downgradient	01/19/1998	98.35	28.81	69.54
90MW0058	downgradient	01/26/1998	98.35	28.66	69.69
90MW0058	downgradient	02/03/1998	98.35	28.55	69.8
90MW0058	downgradient	02/17/1998	98.35	28.41	69.94
90MW0058	downgradient	02/25/1998	98.35	28.06	70.29
90MW0058	downgradient	05/11/1998			72.09

APPENDIX C

STATISTICS

Descriptive Statistics Report

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Summary Section of Groundwater_Elevation when Relative_location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
44	69.9525	0.5067182	7.639065E-02	68.1	72.09	3.99

Counts Section of Groundwater_Elevation when Relative_location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
59	44	0	35	3077.91	215318.5	11.04082

Means Section of Groundwater_Elevation when Relative_location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	69.9525	69.94	69.95071	69.94893	3077.91	69.94
Std Error	7.639065E-02				3.361189	
95% LCL	69.79845	69.81			3071.132	
95% UCL	70.10656	70.03			3084.688	
T-Value	915.7207					
Prob Level	0.000000					
Count	44		44	44		4

Variation Section of Groundwater_Elevation when Relative_location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.2567634	0.5067182	0.5096726	7.639065E-02	0.3025	3.99
Std Error	0.1304229	0.1820004		2.743758E-02		
95% LCL	0.175278	0.4186622		0.0631157		
95% UCL	0.412196	0.6420249		9.678891E-02		

Skewness and Kurtosis Section of Groundwater_Elevation when Relative_location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.7978835	12.35257	0.8263248	10.65924	7.243747E-03	3.935191E-03
Std Error	1.609778	4.646349			1.837893E-03	

Trimmed Section of Groundwater_Elevation when Relative_location=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	69.92954	69.93051	69.93298	69.93773	69.94621	69.95364
Trim-Std Dev	0.2025083	0.1630028	0.1352608	9.431113E-02	6.375581E-02	2.533202E-02
Count	39.6	35.2	30.8	22	13.2	4.4

Mean-Deviation Section of Groundwater_Elevation when Relative_location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.2757955	0.2752273	0.2509278	0.1002912	0.7777767
Std Error	4.598414E-02		0.1274587	0.217614	0.5242147

Descriptive Statistics Report

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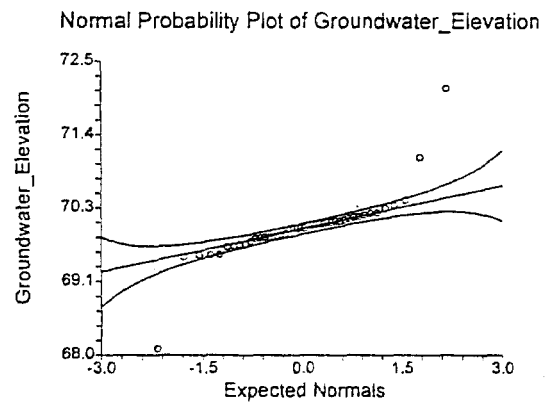
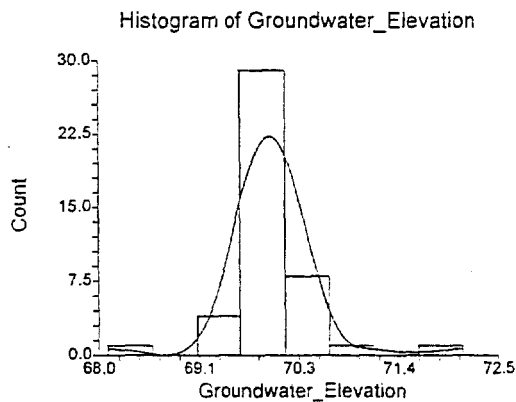
Quartile Section of Groundwater_Elevation when Relative_location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	69.535	69.7825	69.94	70.085	70.27
95% LCL	68.1	69.54	69.81	70.01	70.12
95% UCL	69.7	69.84	70.03	70.18	72.09

Normality Test Section of Groundwater_Elevation when Relative_location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7381403	0.000000			Reject Normality
Anderson-Darling	3.510513	0.000000			Reject Normality
Martinez-Iglewicz	4.748854		1.105365	1.161866	Reject Normality
Kolmogorov-Smirnov	0.2130912		0.121	0.132	Reject Normality
D'Agostino Skewness	2.2383	0.025201	1.645	1.960	Reject Normality
D'Agostino Kurtosis	4.4286	0.000009	1.645	1.960	Reject Normality
D'Agostino Omnibus	24.6221	0.000005	4.605	5.991	Reject Normality

Plots Section of Groundwater_Elevation when Relative_location=D



Descriptive Statistics Report

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Percentile Section of Groundwater_Elevation when Relative_location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	72.09			
95	70.865			
90	70.27	70.12	72.09	96.2301
85	70.1725	70.07	71.03	96.7620
80	70.12	70.03	70.29	96.4530
75	70.085	70.01	70.18	96.3661
70	70.05	69.99	70.14	95.2710
65	70.03	69.94	70.11	95.8617
60	70.01	69.94	70.07	95.4494
55	69.99	69.85	70.05	95.2045
50	69.94	69.81	70.03	96.4302
45	69.94	69.8	70.01	96.6443
40	69.85	69.78	69.99	95.1731
35	69.8175	69.7	69.94	95.9417
30	69.8	69.69	69.94	95.2710
25	69.7825	69.54	69.84	96.0970
20	69.7	69.53	69.8	95.2481
15	69.6675	69.5	69.79	96.7620
10	69.535	68.1	69.7	96.2301
5	69.5075			
1	68.1			

Percentile Formula: Ave $X(p(n+1))$

Stem-Leaf Plot Section of Groundwater_Elevation when Relative_location=D

Depth	Stem	Leaves
Low		6810
5	695	0334
8	696	679
12	697	0489
18	698	001245
(7)	699	3444499
19	700	011335579
10	701	12478
5	702	59
3	703	7
High		7103, 7209

Unit = .01 Example: 1 | 2 Represents 0.12

Descriptive Statistics Report

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Summary Section of Groundwater_Elevation when Relative_location=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
15	71.02133	1.104199	0.2851029	69.31	72.3	2.99

Counts Section of Groundwater_Elevation when Relative_location=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
59	15	0	13	1065.32	75677.52	17.06957

Means Section of Groundwater_Elevation when Relative_location=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	71.02133	71.45	71.01328	71.00519	1065.32	
Std Error	0.2851029				4.276544	
95% LCL	70.40985	69.8			1056.148	
95% UCL	71.63282	71.92			1074.492	
T-Value	249.1077					
Prob Level	0.000000					
Count	15		15	15		

Variation Section of Groundwater_Elevation when Relative_location=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.219255	1.104199	1.124077	0.2851029	2.12	2.99
Std Error	0.2410043	0.1543343		3.984894E-02		
95% LCL	0.6535322	0.8084134		0.2087314		
95% UCL	3.032582	1.741431		0.4496356		

Skewness and Kurtosis Section of Groundwater_Elevation when Relative_location=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.5148478	1.586073	-0.5739118	-1.491793	1.554743E-02	1.253091E-02
Std Error	0.4855038	0.6080357			1.577773E-03	

Trimmed Section of Groundwater_Elevation when Relative_location=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	71.04537	71.08125	71.12666	71.24133	71.45611	71.47334
Trim-Std Dev	1.044568	0.9752683	0.9007297	0.7536564	0.3092881	0.2369951
Count	13.5	12	10.5	7.5	4.5	1.5

Mean-Deviation Section of Groundwater_Elevation when Relative_location=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.9597333	0.8953333	1.137972	-0.6249942	2.053931
Std Error	0.1711531		0.2249373	0.4730977	0.5038727

Descriptive Statistics Report

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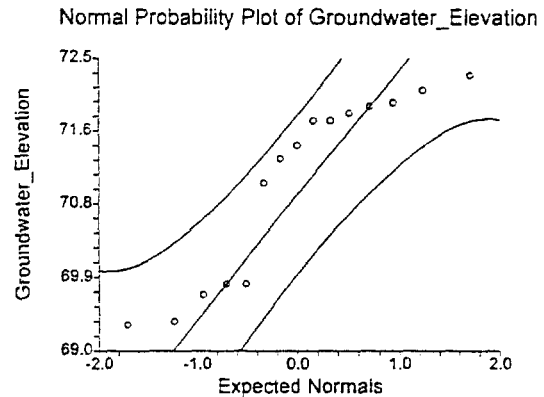
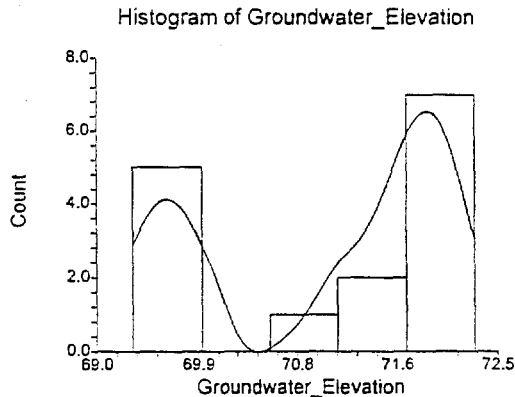
Quartile Section of Groundwater_Elevation when Relative_location=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	69.334	69.8	71.45	71.92	72.192
95% LCL		69.31	69.8	71.45	
95% UCL		71.45	71.92	72.3	

Normality Test Section of Groundwater_Elevation when Relative_location=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.841448	0.013171			Reject Normality
Anderson-Darling	1.079922	0.007829			Reject Normality
Martinez-Iglewicz	0.9423519		1.28528	1.519449	Accept Normality
Kolmogorov-Smirnov	0.1989876		0.201	0.219	Accept Normality
D'Agostino Skewness	-1.0265	0.304667	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.9679	0.049076	1.645	1.960	Reject Normality
D'Agostino Omnibus	4.9264	0.085161	4.605	5.991	Accept Normality

Plots Section of Groundwater_Elevation when Relative_location=U



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Percentile Section of Groundwater_Elevation when Relative_location=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	72.3			
95	72.3			
90	72.192			
85	72.06			
80	71.96	71.45	72.3	96.0576
75	71.92	71.45	72.3	96.9337
70	71.856	71.29	72.3	98.0010
65	71.786	71	72.12	97.3378
60	71.75	69.8	71.97	96.3538
55	71.69	69.8	71.97	96.3882
50	71.45	69.8	71.92	96.4844
45	71.322	69.67	71.84	96.3882
40	71.116	69.35	71.75	96.0995
35	70.52	69.35	71.75	97.3378
30	69.8	69.31	71.75	98.0010
25	69.8	69.31	71.45	96.9337
20	69.696	69.31	71.45	96.0576
15	69.478			
10	69.334			
5	69.31			
1	69.31			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Groundwater_Elevation when Relative_location=U

Depth	Stem	Leaves
2	69*	33
5	.	688
5	70*	
5	.	
(3)	71*	024
7	.	77899
2	72*	13

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Database Snake Pond

Summary Section of Measurement__ft__

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
49	70.9951	0.9591796	0.1370257	69	72.3	3.3

Counts Section of Measurement__ft__

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
49	49	0	40	3478.76	247019.1	44.16122

Means Section of Measurement__ft__

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	70.9951	70.64	70.98875	70.98239	3478.76	
Std Error	0.1370257				6.714257	
95% LCL	70.7196	70.48			3465.26	
95% UCL	71.27061	71.66			3492.26	
T-Value	518.1154					
Prob Level	0.000000					
Count	49		49	49		

Variation Section of Measurement__ft__

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.9200255	0.9591796	0.964188	0.1370257	1.79	3.3
Std Error	0.1110091	8.183587E-02		1.169084E-02		
95% LCL	0.6398083	0.7998802		0.1142686		
95% UCL	1.435927	1.198302		0.171186		

Skewness and Kurtosis Section of Measurement__ft__

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-6.715082E-02	1.713368	-6.929024E-02	-1.295059	0.0135105	1.184506E-02
Std Error	0.2379378	0.1706522			8.17537E-04	

Trimmed Section of Measurement__ft__

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	71.02314	71.02827	71.02324	70.98775	70.90266	70.63979
Trim-Std Dev	0.8660343	0.8033109	0.7452791	0.6039067	0.4682704	4.218335E-02
Count	44.1	39.2	34.3	24.5	14.7	4.9

Mean-Deviation Section of Measurement__ft__

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8697043	0.8367347	0.9012495	-5.745381E-02	1.391684
Std Error	8.249589E-02		0.1087436	0.207552	0.3623335

Descriptive Statistics Report

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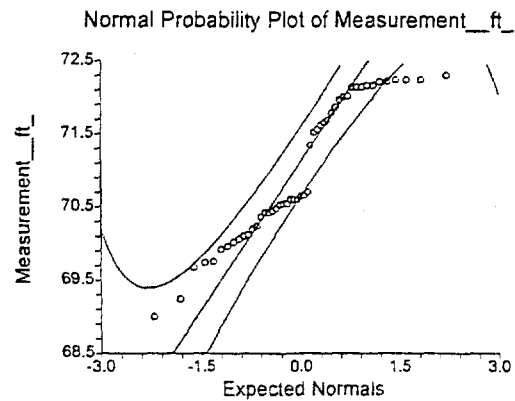
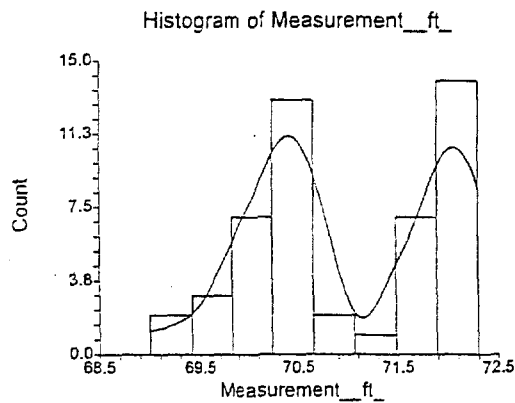
Quartile Section of Measurement__ft_

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	69.76	70.22	70.64	72.01	72.22
95% LCL	69	69.96	70.48	71.62	72.14
95% UCL	70.1	70.53	71.66	72.16	72.3

Normality Test Section of Measurement__ft_

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9067923	0.000923			Reject Normality
Anderson-Darling	1.842716	0.000105			Reject Normality
Martinez-Iglewicz	0.9466332		1.095797	1.149031	Accept Normality
Kolmogorov-Smirnov	0.1718502		0.115	0.125	Reject Normality
D'Agostino Skewness	-0.2142	0.830416	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-4.0118	0.000060	1.645	1.960	Reject Normality
D'Agostino Omnibus	16.1405	0.000313	4.605	5.991	Reject Normality

Plots Section of Measurement__ft_



Descriptive Statistics Report

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Database

Percentile Section of Measurement__ft_

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	72.3			
95	72.24			
90	72.22	72.14	72.3	97.2772
85	72.16	72	72.24	95.8232
80	72.14	71.78	72.22	95.2983
75	72.01	71.62	72.16	95.3885
70	71.86	71.34	72.14	95.8340
65	71.675	70.64	72.14	96.4628
60	71.56	70.6	72	95.9812
55	71.02	70.54	71.78	95.5051
50	70.64	70.48	71.66	95.5616
45	70.6	70.42	71.56	95.5051
40	70.54	70.24	70.7	95.9812
35	70.46	70.12	70.64	96.4628
30	70.42	70.02	70.54	95.2738
25	70.22	69.96	70.53	95.3885
20	70.1	69.74	70.42	96.7749
15	69.99	69.67	70.24	95.8232
10	69.76	69	70.1	97.2772
5	69.455			
1	69			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Measurement__ft_

Depth	Stem	Leaves
2	69*	02
7	.	67799
18	70*	00112234444
(9)	.	555666667
22	71*	3
21	.	55666789
13	72*	0011111222223

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Database Triangle Pond

Summary Section of Measurement__ft_

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
48	67.48604	0.6405973	9.246225E-02	66.4	68.18	1.78

Counts Section of Measurement__ft_

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
48	48	0	27	3239.33	218628.8	19.28715

Means Section of Measurement__ft_

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	67.48604	67.295	67.48306	67.48008	3239.33	68.18
Std Error	9.246225E-02				4.438188	
95% LCL	67.30003	67.15			3230.402	
95% UCL	67.67205	68.13			3248.259	
T-Value	729.8767					
Prob Level	0.000000					
Count	48		48	48		17

Variation Section of Measurement__ft_

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.4103648	0.6405973	0.6440135	9.246225E-02	1.195	1.78
Std Error	4.308574E-02	4.755908E-02		6.864562E-03		
95% LCL	0.2843846	0.5332772		7.697194E-02		
95% UCL	0.643845	0.8023996		0.1158164		

Skewness and Kurtosis Section of Measurement__ft_

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.156887	1.529137	-0.1619939	-1.500192	9.492293E-03	8.429923E-03
Std Error	0.2326454	0.1122955			5.012488E-04	

Trimmed Section of Measurement__ft_

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	67.50703	67.52531	67.54191	67.55542	67.49277	67.31333
Trim-Std Dev	0.6031879	0.5667233	0.5278745	0.4512107	0.3685924	8.551188E-02
Count	43.2	38.4	33.6	24	14.4	4.8

Mean-Deviation Section of Measurement__ft_

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.5811285	0.5672917	0.4018156	-3.996015E-02	0.246888
Std Error	5.566515E-02		4.218812E-02	6.002736E-02	4.186683E-02

Descriptive Statistics Report

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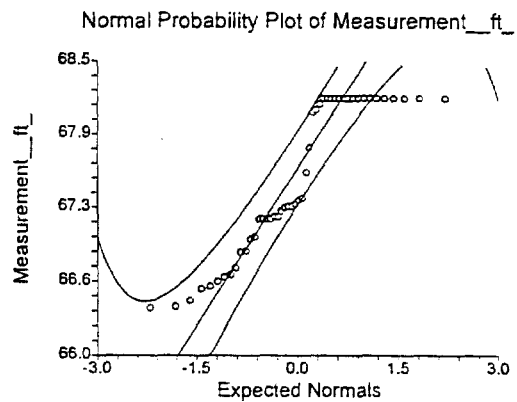
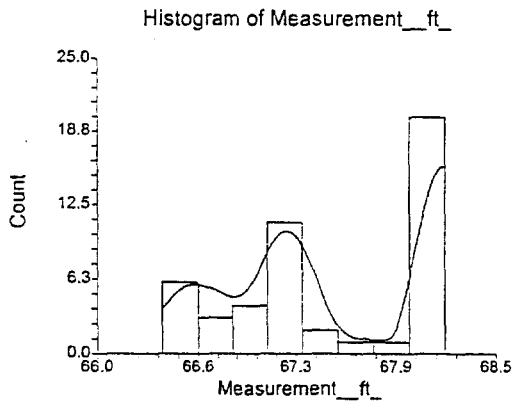
Quartile Section of Measurement__ft_

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	66.578	66.985	67.295	68.18	68.18
95% LCL	66.4	66.62	67.15	68.08	68.18
95% UCL	66.87	67.17	68.13	68.18	68.18

Normality Test Section of Measurement__ft_

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8444571	0.000016			Reject Normality
Anderson-Darling	2.926067	0.000000			Reject Normality
Martinez-Iglewicz	0.9620345		1.097557	1.151337	Accept Normality
Kolmogorov-Smirnov	0.2106999		0.116	0.127	Reject Normality
D'Agostino Skewness	-0.4945	0.620974	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-5.8253	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	34.1784	0.000000	4.605	5.991	Reject Normality

Plots Section of Measurement__ft_



Descriptive Statistics Report

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Percentile Section of Measurement__ft_

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	68.18			
95	68.18			
90	68.18	68.18	68.18	97.4890
85	68.18	68.18	68.18	95.9977
80	68.18	68.18	68.18	95.4134
75	68.18	68.08	68.18	95.4397
70	68.18	67.55	68.18	95.8213
65	68.1725	67.31	68.18	95.1974
60	68.068	67.26	68.18	96.1483
55	67.539	67.22	68.18	95.8770
50	67.295	67.15	68.13	95.5616
45	67.26	67.15	68.06	95.8770
40	67.2	67	67.55	96.1483
35	67.153	66.87	67.28	96.6002
30	67.15	66.68	67.25	95.8638
25	66.985	66.62	67.17	95.2348
20	66.844	66.56	67.15	97.1085
15	66.667	66.46	67	95.9977
10	66.578	66.4	66.87	97.4890
5	66.4325			
1	66.4			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Measurement__ft_

Depth	Stem	Leaves
5	66F	44455
9	S	6667
12	.	889
19	67*	0111111
(7)	T	2222233
22	F	5
21	S	7
20	.	
20	68*	00111111111111111111

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Database weeks Pond

Summary Section of Measurement__ft_

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
45	70.73045	0.9168051	0.1366692	69.09	71.93	2.84

Counts Section of Measurement__ft_

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
45	45	0	36	3182.87	225162.8	36.98339

Means Section of Measurement__ft_

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	70.73045	70.39	70.72462	70.7188	3182.87	
Std Error	0.1366692				6.150115	
95% LCL	70.45501	70.19			3170.475	
95% UCL	71.00588	71.36			3195.265	
T-Value	517.5301					
Prob Level	0.000000					
Count	45		45	45		

Variation Section of Measurement__ft_

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.8405316	0.9168051	0.9220286	0.1366692	1.695	2.84
Std Error	9.931797E-02	7.660124E-02		1.141904E-02		
95% LCL	0.5760522	0.758981		0.1131422		
95% UCL	1.341214	1.158108		0.1726405		

Skewness and Kurtosis Section of Measurement__ft_

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.121553	1.62829	-0.1257853	-1.391108	1.296196E-02	1.174409E-02
Std Error	0.2384458	0.1118739			7.699853E-04	

Trimmed Section of Measurement__ft_

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	70.75457	70.77292	70.78182	70.74411	70.6813	70.56055
Trim-Std Dev	0.8430979	0.7723812	0.7056893	0.5936053	0.4897757	0.3637007
Count	40.5	36	31.5	22.5	13.5	4.5

Mean-Deviation Section of Measurement__ft_

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8342321	0.8266567	0.8218532	-0.0905643	1.099816
Std Error	8.227204E-02		0.0971109	0.1807508	0.2311276

Descriptive Statistics Report

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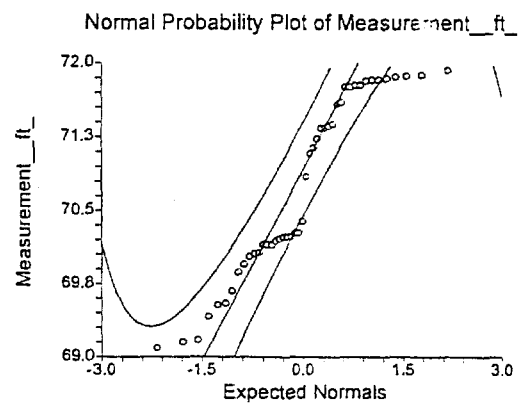
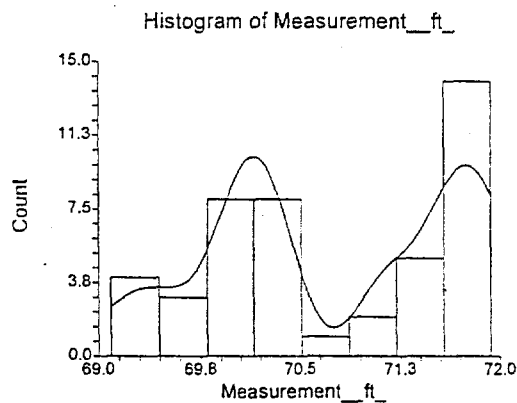
Quartile Section of Measurement__ft_

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	69.482	70.065	70.39	71.76	71.848
95% LCL	69.09	69.55	70.19	71.34	71.78
95% UCL	69.95	70.23	71.35	71.83	71.93

Normality Test Section of Measurement__ft_

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8959171	0.000709			Reject Normality
Anderson-Darling	1.787838	0.000143			Reject Normality
Martinez-Iglewicz	0.9437889		1.103287	1.159018	Accept Normality
Kolmogorov-Smirnov	0.181135		0.12	0.131	Reject Normality
D'Agostino Skewness	-0.3736	0.708676	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-4.4422	0.000009	1.645	1.960	Reject Normality
D'Agostino Omnibus	19.8727	0.000048	4.605	5.991	Reject Normality

Plots Section of Measurement__ft_



Descriptive Statistics Report

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Database

Percentile Section of Measurement__ft_

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	71.93			
95	71.877			
90	71.848	71.78	71.93	95.9278
85	71.83	71.76	71.88	96.3870
80	71.78	71.38	71.86	96.2120
75	71.76	71.34	71.83	96.2988
70	71.584	71.14	71.82	95.0790
65	71.358	70.39	71.78	95.8897
60	71.296	70.27	71.76	95.3389
55	71.098	70.23	71.58	96.4831
50	70.39	70.19	71.36	96.4302
45	70.258	70.15	71.34	96.4831
40	70.23	70.07	71.08	95.3389
35	70.192	69.95	70.27	95.2649
30	70.15	69.87	70.23	95.0790
25	70.065	69.55	70.23	96.2988
20	69.966	69.41	70.15	96.2120
15	69.667	69.15	70.07	96.3870
10	69.482	69.09	69.95	95.9278
5	69.156			
1	69.09			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Measurement__ft_

Depth	Stem	Leaves
3	69*	011
3	T	
6	F	455
7	S	6
9	.	89
16	70*	0001111
(7)	T	2222223
22	F	
22	S	
22	.	8
21	71*	01
19	T	23333
14	F	5
13	S	67777
8	.	88888889

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Database Peters Pond

Summary Section of Measurement_ft

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
47	71.64617	0.6367668	9.288199E-02	70.48	72.3	1.82

Counts Section of Measurement_ft

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
47	47	0	23	3367.37	241277.8	18.65171

Means Section of Measurement_ft

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	71.64617	71.45	71.64339	71.64062	3367.37	72.3
Std Error	9.288199E-02				4.365453	
95% LCL	71.45921	71.29			3358.583	
95% UCL	71.83313	72.3			3376.157	
T-Value	771.3678					
Prob Level	0.000000					
Count	47		47	47		19

Variation Section of Measurement_ft

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.405472	0.6367668	0.6402367	9.288199E-02	1.03	1.82
Std Error	4.664994E-02	5.180309E-02		7.556258E-03		
95% LCL	0.2799862	0.5291373		0.0771826		
95% UCL	0.6396322	0.7997701		0.1166585		

Skewness and Kurtosis Section of Measurement_ft

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.283951	1.622126	-0.2933991	-1.397144	8.88766E-03	8.034186E-03
Std Error	0.2372841	0.1566746			5.154802E-04	

Trimmed Section of Measurement_ft

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	71.67318	71.69695	71.7189	71.73968	71.70741	71.57872
Trim-Std Dev	0.5937539	0.5537132	0.5132007	0.4482719	0.3927667	0.2448234
Count	42.3	37.6	32.9	23.5	14.1	4.7

Mean-Deviation Section of Measurement_ft

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.5782164	0.5740426	0.3968449	-7.098632E-02	0.255462
Std Error	5.591631E-02		4.565739E-02	5.992752E-02	5.027362E-02

Descriptive Statistics Report

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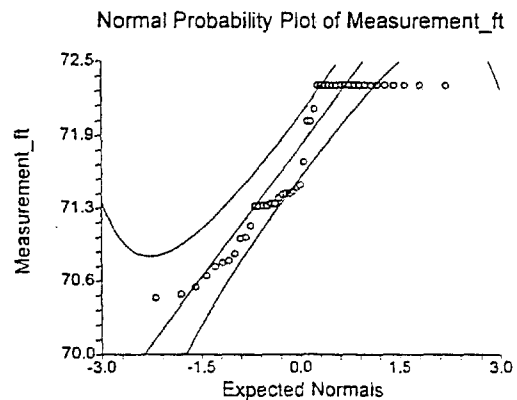
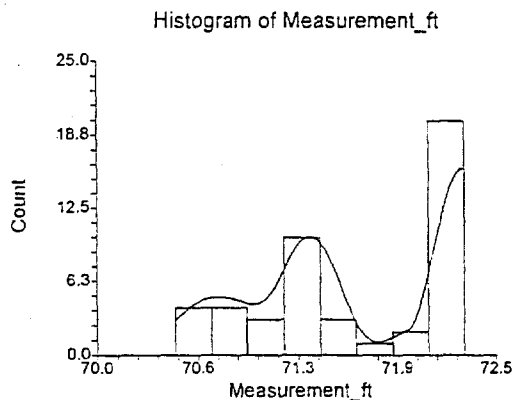
Quartile Section of Measurement_ft

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	70.734	71.27	71.45	72.3	72.3
95% LCL	70.48	70.78	71.29	72.3	72.3
95% UCL	70.99	71.34	72.3	72.3	72.3

Normality Test Section of Measurement_ft

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8401771	0.000014			Reject Normality
Anderson-Darling	2.998149	0.000000			Reject Normality
Martinez-Iglewicz	0.9565846		1.099389	1.153764	Accept Normality
Kolmogorov-Smirnov	0.2307205		0.117	0.128	Reject Normality
D'Agostino Skewness	-0.8794	0.379201	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-4.6692	0.000003	1.645	1.960	Reject Normality
D'Agostino Omnibus	22.5752	0.000013	4.605	5.991	Reject Normality

Plots Section of Measurement_ft



Descriptive Statistics Report

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Percentile Section of Measurement_ft

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	72.3			
95	72.3			
90	72.3	72.3	72.3	95.1804
85	72.3	72.3	72.3	96.0988
80	72.3	72.3	72.3	95.4153
75	72.3	72.3	72.3	95.7354
70	72.3	72	72.3	95.6281
65	72.3	71.45	72.3	95.1950
60	72.26	71.4	72.3	96.3085
55	72	71.37	72.3	96.0102
50	71.45	71.29	72.3	96.0014
45	71.392	71.27	72.3	96.0102
40	71.372	71.27	72	96.3085
35	71.29	71	71.43	95.2017
30	71.27	70.86	71.38	96.2721
25	71.27	70.78	71.34	95.7354
20	70.996	70.67	71.27	95.4062
15	70.812	70.57	71.27	96.0988
10	70.734	70.48	70.99	95.1804
5	70.534			
1	70.48			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Measurement_ft

Depth	Stem	Leaves
3	70F	455
6	S	677
9	.	889
11	71*	01
21	T	222223333
(3)	F	444
23	S	6
22	.	
22	72*	001
19	T	333333333333333333

Unit = .1 Example: 1|2 Represents 1.2

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Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=I,Class=D	35	12.12743	1.859468	0.3143074	11.48868	12.76618
Phase=I,Class=R	2	16.74	4.808326	3.4	-26.4611	59.9411

Note: T-alpha (Phase=I,Class=D) = 2.0322, T-alpha (Phase=I,Class=R) = 12.7062

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	35	-4.612571	2.004845	1.457581	-7.571617	-1.653526
Unequal	1.02	-4.612571	5.155349	3.414497	-46.30566	37.08052

Note: T-alpha (Equal) = 2.0301, T-alpha (Unequal) = 12.2106

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-3.1645	0.003209	Reject Ho	0.867926	0.669361
Difference < 0	-3.1645	0.001604	Reject Ho	0.927524	0.762656
Difference > 0	-3.1645	0.998396	Accept Ho	0.000001	0.000000

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-1.3509	0.402892	Accept Ho	0.090279	0.018107
Difference < 0	-1.3509	0.201446	Accept Ho	0.173912	0.035187
Difference > 0	-1.3509	0.798554	Accept Ho	0.005100	0.001015

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=I,Class=D)	1.0354	0.300494	Cannot reject normality
Kurtosis Normality (Phase=I,Class=D)	-0.9509	0.341640	Cannot reject normality
Omnibus Normality (Phase=I,Class=D)	1.9763	0.372271	Cannot reject normality
Skewness Normality (Phase=I,Class=R)	0.0000		
Kurtosis Normality (Phase=I,Class=R)		1.000000	Cannot reject normality
Omnibus Normality (Phase=I,Class=R)			
Variance-Ratio Equal-Variance Test	6.6867	0.312797	Cannot reject equal variances
Modified-Levene Equal-Variance Test	6.4279	0.015856	Reject equal variances

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Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=I,Class=D	10	640	665	14.88513
Phase=I,Class=R	60	63	38	14.88513

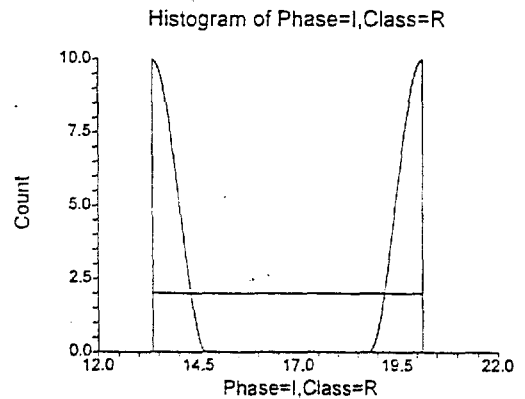
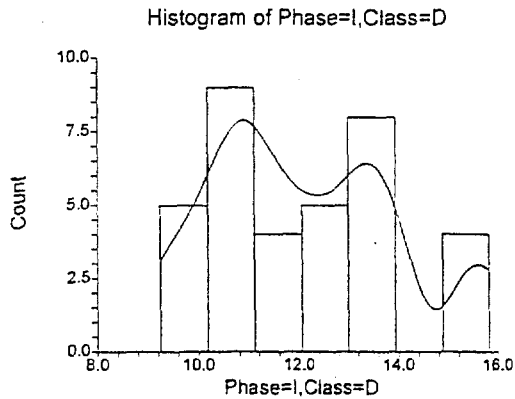
Number Sets of Ties = 1, Multiplicity Factor = 24

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Prob Level
Diff<>0			1.6795	0.093049	Accept Ho	0.099777
Diff<0			1.6795	0.046525	Reject Ho	0.049888
Diff>0			1.6795	0.953475	Accept Ho	0.956655

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.714286	0.8673	.050	Accept Ho	0.1982
D(1)<D(2)	0.714286	0.8673	.025	Accept Ho	
D(1)>D(2)	0.000000	0.8673	.025	Accept Ho	

Plots Section

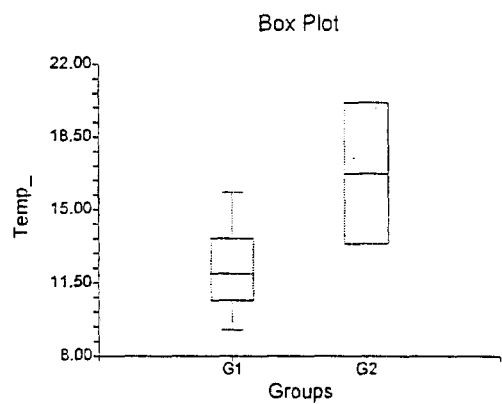
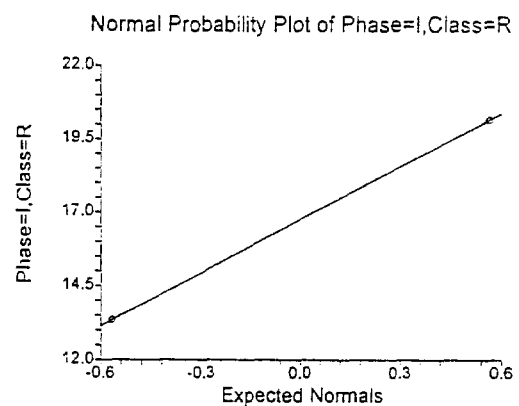
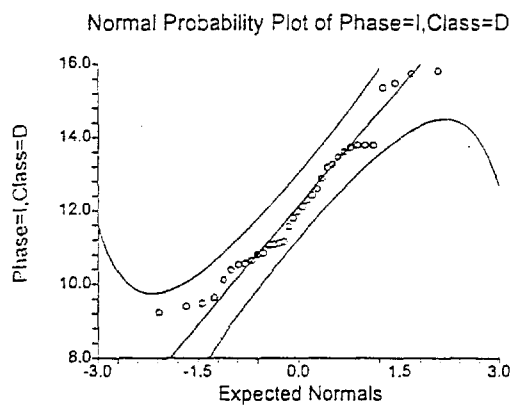


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 Variable Temp_

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=II,Class=D	95	12.31926	1.337635	0.1372384	12.04677	12.59175
Phase=II,Class=R	14	13.89214	2.877069	0.768929	12.23097	15.55331

Note: T-alpha (Phase=II,Class=D) = 1.9855, T-alpha (Phase=II,Class=R) = 2.1604

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	107	-1.57288	1.605478	0.4596125	-2.484008	-0.6617516
Unequal	13.84	-1.57288	3.172821	0.7810802	-3.249955	0.1041954

Note: T-alpha (Equal) = 1.9824, T-alpha (Unequal) = 2.1471

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-3.4222	0.000881	Reject Ho	0.923835	0.786156
Difference < 0	-3.4222	0.000440	Reject Ho	0.960420	0.853691
Difference > 0	-3.4222	0.999560	Accept Ho	0.000000	0.000000

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-2.0137	0.063906	Accept Ho	0.465660	0.212891
Difference < 0	-2.0137	0.031953	Reject Ho	0.606065	0.306229
Difference > 0	-2.0137	0.968047	Accept Ho	0.000181	0.000016

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=II,Class=D)	2.4381	0.014763	Reject normality
Kurtosis Normality (Phase=II,Class=D)	1.6944	0.090180	Cannot reject normality
Omnibus Normality (Phase=II,Class=D)	8.8156	0.012182	Reject normality
Skewness Normality (Phase=II,Class=R)	2.1762	0.029541	Reject normality
Kurtosis Normality (Phase=II,Class=R)	1.2309	0.218360	Cannot reject normality
Omnibus Normality (Phase=II,Class=R)	6.2509	0.043917	Reject normality
Variance-Ratio Equal-Variance Test	4.6262	0.001824	Reject equal variances
Modified-Levene Equal-Variance Test	11.9073	0.000801	Reject equal variances

Two-Sample Test Report

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Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=II,Class=D	444	5004	5225	110.4121
Phase=II,Class=R	886	991	770	110.4121

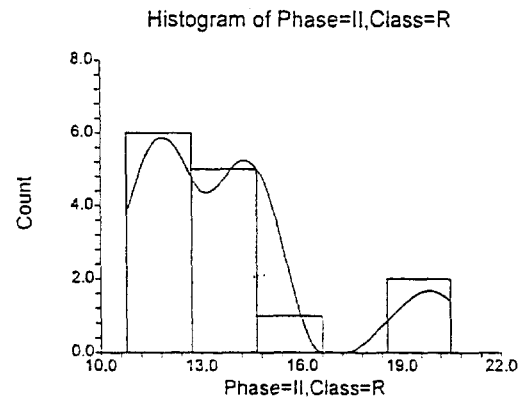
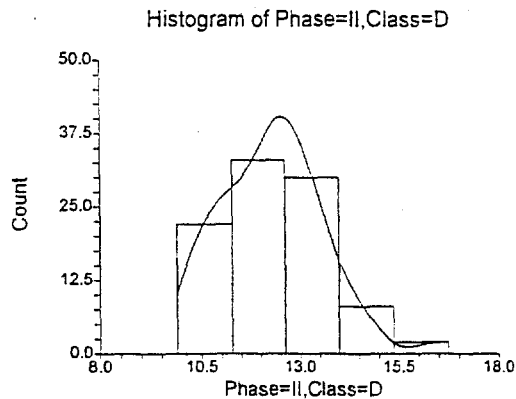
Number Sets of Ties = 6, Multiplicity Factor = 90

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Prob Level
Diff<>0			2.0016	0.045329	Reject Ho	1.9971
Diff<0			2.0016	0.022664	Reject Ho	1.9971
Diff>0			2.0016	0.977336	Accept Ho	2.0061

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.396992	0.3662	.050	Reject Ho	0.0296
D(1)<D(2)	0.396992	0.3662	.025	Reject Ho	
D(1)>D(2)	0.000000	0.3662	.025	Accept Ho	

Plots Section

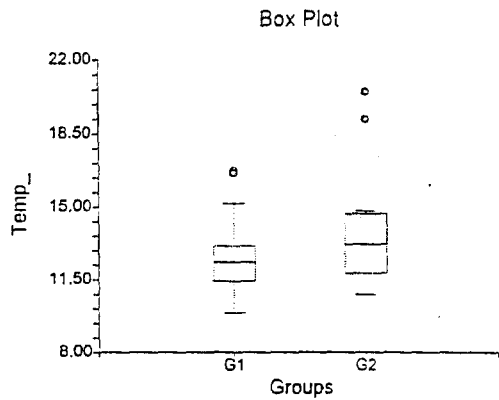
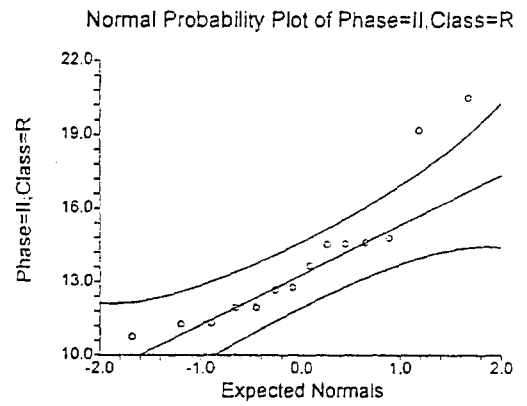
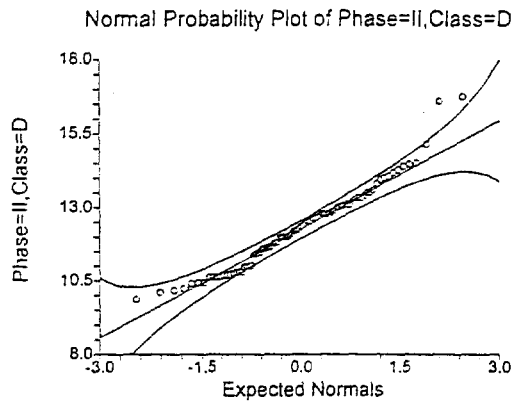


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Variable Temp_



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 Variable Ph

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=I,Class=D	35	6.295429	0.6031405	0.1019494	6.088243	6.502614
Phase=I,Class=R	2	6.1	7.071068E-02	0.05	5.46469	6.73531

Note: T-alpha (Phase=I,Class=D) = 2.0322, T-alpha (Phase=I,Class=R) = 12.7062

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	35	0.1954286	0.5945819	0.4322784	-0.6821433	1.073
Unequal	17.63	0.1954286	0.6072714	0.1135503	-4.348658E-02	0.4343437

Note: T-alpha (Equal) = 2.0301, T-alpha (Unequal) = 2.1040

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.4521	0.653994	Accept Ho	0.072439	0.017311
Difference < 0	0.4521	0.673003	Accept Ho	0.018385	0.002877
Difference > 0	0.4521	0.326997	Accept Ho	0.114788	0.029287

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.7211	0.102734	Accept Ho	0.369954	0.155739
Difference < 0	1.7211	0.948633	Accept Ho	0.000478	0.000043
Difference > 0	1.7211	0.051367	Accept Ho	0.503886	0.231113

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=I,Class=D)	2.0096	0.044472	Reject normality
Kurtosis Normality (Phase=I,Class=D)	1.6516	0.098622	Cannot reject normality
Omnibus Normality (Phase=I,Class=D)	6.7662	0.033941	Reject normality
Skewness Normality (Phase=I,Class=R)	0.0000		
Kurtosis Normality (Phase=I,Class=R)		1.000000	Cannot reject normality
Omnibus Normality (Phase=I,Class=R)			
Variance-Ratio Equal-Variance Test	72.7557	0.092638	Cannot reject equal variances
Modified-Levene Equal-Variance Test	2.1247	0.153853	Cannot reject equal variances

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 Variable Ph

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=I,Class=D	39	669	665	14.88764
Phase=I,Class=R	31	34	38	14.88764

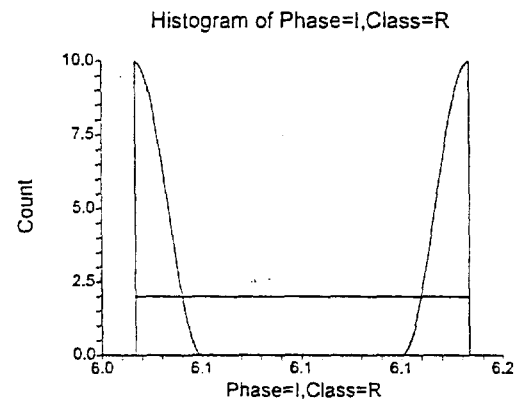
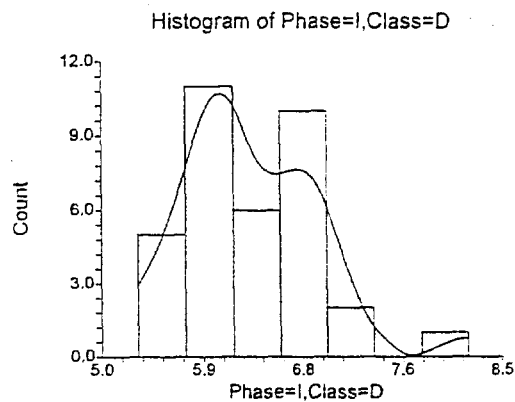
Number Sets of Ties = 1, Multiplicity Factor = 6

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Prob Level
Diff<>0			-0.2687	0.788176	Accept Ho	0.2351
Diff<0			-0.2687	0.605912	Accept Ho	-0.3023
Diff>0			-0.2687	0.394088	Accept Ho	-0.2351

Kolmogorov-Smirnov Test For Different Distributions

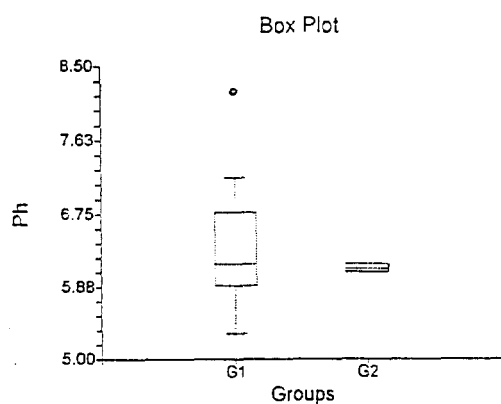
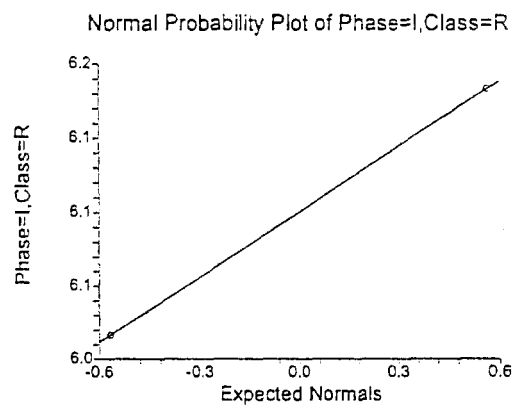
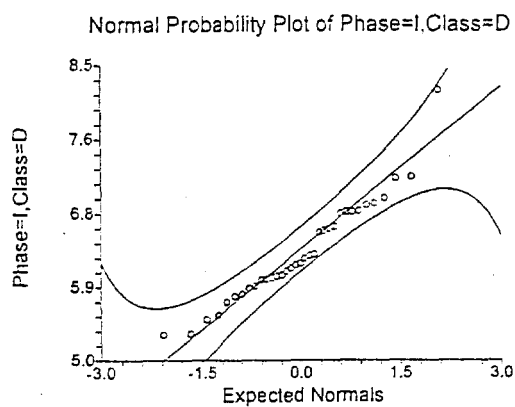
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.514286	0.8673	.050	Accept Ho	0.5135
D(1)<D(2)	0.400000	0.8673	.025	Accept Ho	
D(1)>D(2)	0.514286	0.8673	.025	Accept Ho	

Plots Section



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Variable Ph



Two-Sample Test Report

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 Variable Ph

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=II,Class=D	95	6.377263	0.3848167	3.948136E-02	6.298872	6.455654
Phase=II,Class=R	14	5.961429	0.3478474	9.296612E-02	5.760588	6.16227

Note: T-alpha (Phase=II,Class=D) = 1.9855, T-alpha (Phase=II,Class=R) = 2.1604

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	107	0.4158346	0.3805169	0.1089335	0.1998867	0.6317825
Unequal	18.03	0.4158346	0.5187309	0.1010024	0.2036627	0.6280065

Note: T-alpha (Equal) = 1.9824, T-alpha (Unequal) = 2.1007

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	3.8173	0.000226	Reject Ho	0.965839	0.881409
Difference < 0	3.8173	0.999887	Accept Ho	0.000000	0.000000
Difference > 0	3.8173	0.000113	Reject Ho	0.984150	0.925412

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	4.1171	0.000645	Reject Ho	0.973156	0.875750
Difference < 0	4.1171	0.999677	Accept Ho	0.000000	0.000000
Difference > 0	4.1171	0.000323	Reject Ho	0.989590	0.929544

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=II,Class=D)	-4.3350	0.000015	Reject normality
Kurtosis Normality (Phase=II,Class=D)	3.3559	0.000791	Reject normality
Omnibus Normality (Phase=II,Class=D)	30.0544	0.000000	Reject normality
Skewness Normality (Phase=II,Class=R)	0.7649	0.444325	Cannot reject normality
Kurtosis Normality (Phase=II,Class=R)	0.3576	0.720650	Cannot reject normality
Omnibus Normality (Phase=II,Class=R)	0.7130	0.700137	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.2239	0.634102	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.4127	0.521988	Cannot reject equal variances

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 Variable Ph

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=II,Class=D	1059	5619	5225	110.397
Phase=II,Class=R	271	376	770	110.397

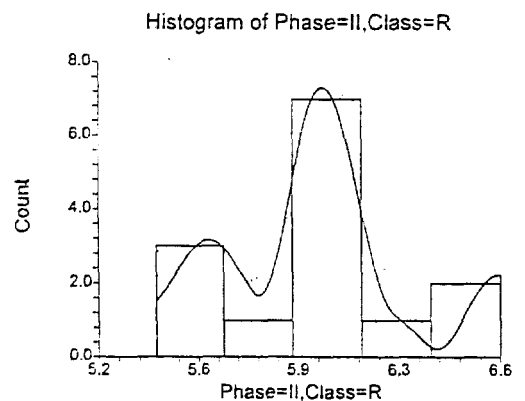
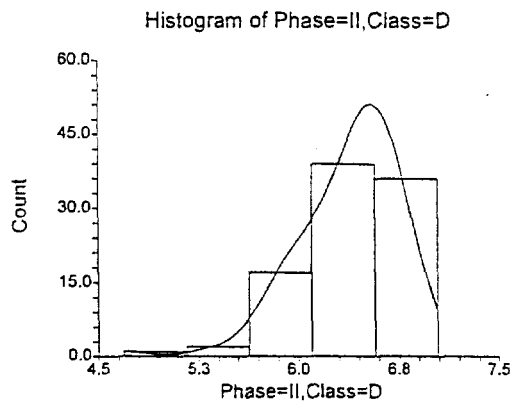
Number Sets of Ties = 26, Multiplicity Factor = 450

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value
Diff<>0			-3.5689	0.000358	Reject Ho	3.5644
Diff<0			-3.5689	0.999821	Accept Ho	-3.5735
Diff>0			-3.5689	0.000179	Reject Ho	-3.5644

Kolmogorov-Smirnov Test For Different Distributions

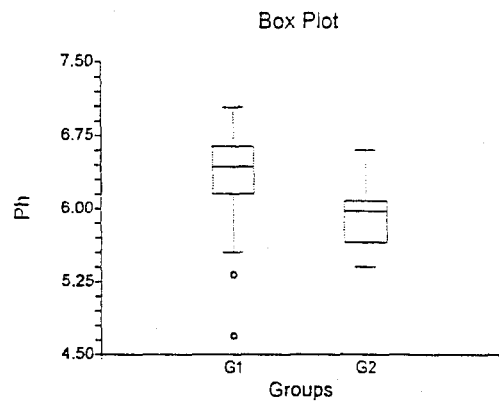
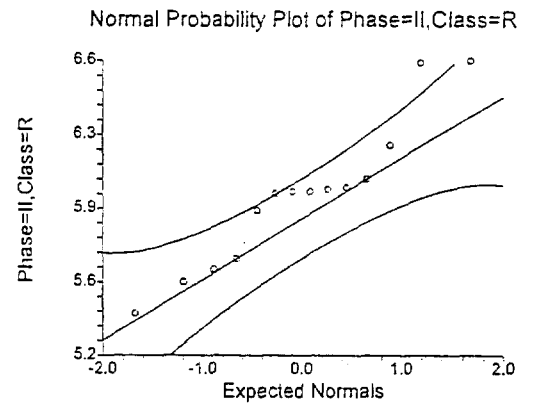
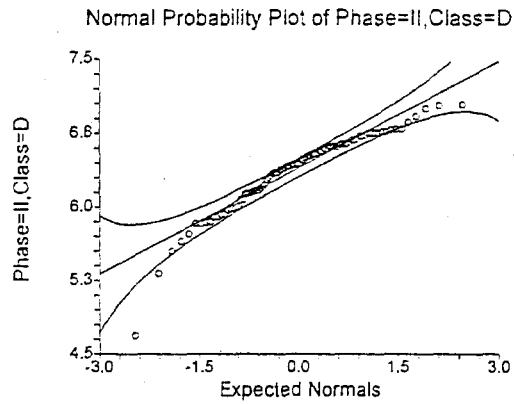
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.596241	0.3662	.050	Reject Ho	0.0001
D(1)<D(2)	0.021053	0.3662	.025	Accept Ho	
D(1)>D(2)	0.596241	0.3662	.025	Reject Ho	

Plots Section



Two-Sample Test Report

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Variable Ph



Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-GW-DO.S0
 Variable DO

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=I,Class=D	34	9.584706	2.764395	0.4740899	8.620163	10.54925
Phase=I,Class=R	2	4.83	1.824335	1.29	-11.561	21.221

Note: T-alpha (Phase=I,Class=D) = 2.0345, T-alpha (Phase=I,Class=R) = 12.7062

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	34	4.754706	2.741351	1.994626	0.701138	8.808274
Unequal	1.29	4.754706	3.312111	1.374358	-5.722153	15.23156

Note: T-alpha (Equal) = 2.0322, T-alpha (Unequal) = 7.6231

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	2.3838	0.022864	Reject Ho	0.639117	0.379133
Difference < 0	2.3838	0.988568	Accept Ho	0.000034	0.000002
Difference > 0	2.3838	0.011432	Reject Ho	0.755228	0.485071

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	3.4596	0.133367	Accept Ho	0.288254	0.060653
Difference < 0	3.4596	0.933317	Accept Ho	0.000007	0.000001
Difference > 0	3.4596	0.066683	Accept Ho	0.521091	0.120227

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=I,Class=D)	-2.9544	0.003132	Reject normality
Kurtosis Normality (Phase=I,Class=D)	2.2717	0.023104	Reject normality
Omnibus Normality (Phase=I,Class=D)	13.8894	0.000964	Reject normality
Skewness Normality (Phase=I,Class=R)	0.0000		
Kurtosis Normality (Phase=I,Class=R)		1.000000	Cannot reject normality
Omnibus Normality (Phase=I,Class=R)			
Variance-Ratio Equal-Variance Test	2.2961	0.625348	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.1741	0.679129	Cannot reject equal variances

Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-GW-DO.S0
 Variable DO

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=I,Class=D	62	657	629	14.47899
Phase=I,Class=R	6	9	37	14.47899

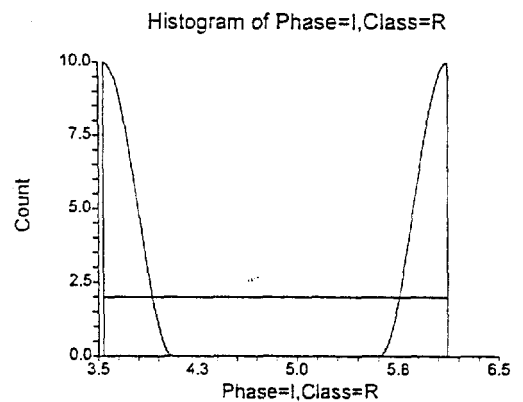
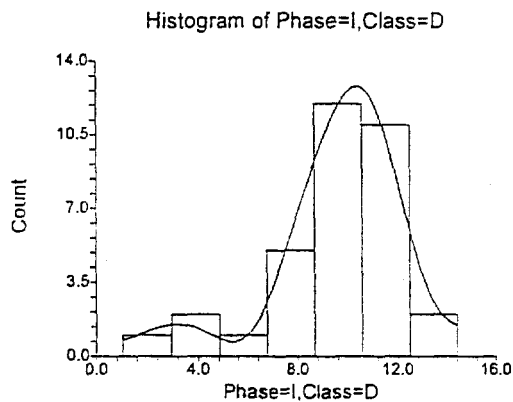
Number Sets of Ties = 1, Multiplicity Factor = 6

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob	Decision		Prob	Decision	Prob	Decision	
	Level	(5%)	Z-Value	Level	(5%)	Z-Value	Level	(5%)
Diff<>0			-1.9338	0.053133	Accept Ho	1.8993	0.057525	Accept Ho
Diff<0			-1.9338	0.973433	Accept Ho	-1.9684	0.975487	Accept Ho
Diff>0			-1.9338	0.026567	Reject Ho	-1.8993	0.028762	Reject Ho

Kolmogorov-Smirnov Test For Different Distributions

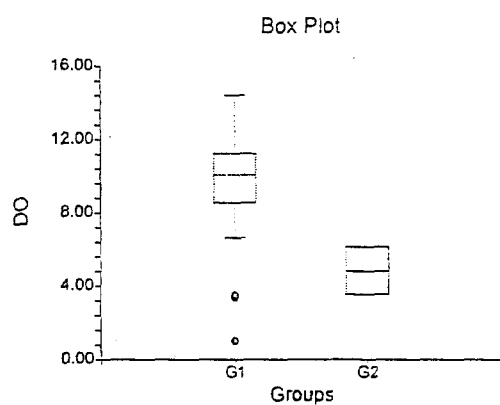
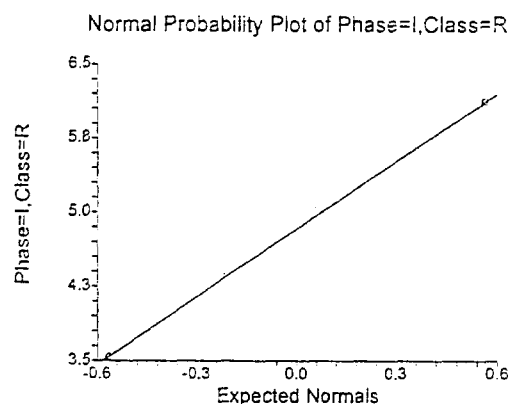
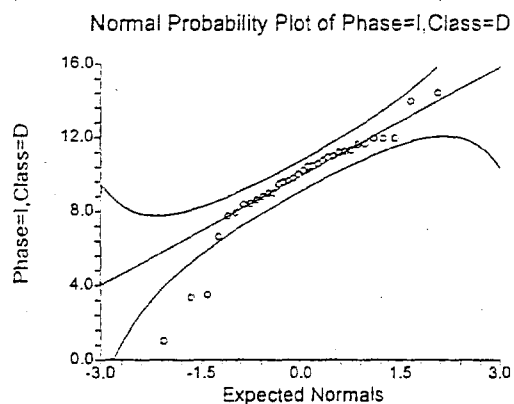
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.911765	0.8673	.050	Reject Ho	0.0317
D(1)<D(2)	0.088235	0.8673	.025	Accept Ho	
D(1)>D(2)	0.911765	0.8673	.025	Reject Ho	

Plots Section



Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-GW-DO.S0
 Variable DO



Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-GW-DO.S0
 Variable DO

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=II,Class=D	95	9.899263	1.39773	0.1434041	9.614531	10.184
Phase=II,Class=R	14	8.757143	4.292341	1.147176	6.278819	11.23547

Note: T-alpha (Phase=II,Class=D) = 1.9855, T-alpha (Phase=II,Class=R) = 2.1604

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	107	1.14212	1.988654	0.5693071	1.353543E-02	2.270705
Unequal	13.41	1.14212	4.514182	1.156105	-1.34777	3.632011

Note: T-alpha (Equal) = 1.9824, T-alpha (Unequal) = 2.1537

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	2.0062	0.047362	Reject Ho	0.511277	0.274027
Difference < 0	2.0062	0.976319	Accept Ho	0.000137	0.000008
Difference > 0	2.0062	0.023681	Reject Ho	0.636304	0.364848

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.9879	0.340692	Accept Ho	0.150834	0.044550
Difference < 0	0.9879	0.829654	Accept Ho	0.004867	0.000633
Difference > 0	0.9879	0.170346	Accept Ho	0.239944	0.075786

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=II,Class=D)	-2.0152	0.043887	Reject normality
Kurtosis Normality (Phase=II,Class=D)	2.3373	0.019423	Reject normality
Omnibus Normality (Phase=II,Class=D)	9.5240	0.008549	Reject normality
Skewness Normality (Phase=II,Class=R)	-0.2609	0.794173	Cannot reject normality
Kurtosis Normality (Phase=II,Class=R)	-0.6580	0.510533	Cannot reject normality
Omnibus Normality (Phase=II,Class=R)	0.5010	0.778395	Cannot reject normality
Variance-Ratio Equal-Variance Test	9.4307	0.000035	Reject equal variances
Modified-Levene Equal-Variance Test	40.3014	0.000000	Reject equal variances

Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-GW-DO.S0
 Variable DO

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=II,Class=D	730	5290	5225	110.4131
Phase=II,Class=R	600	705	770	110.4131

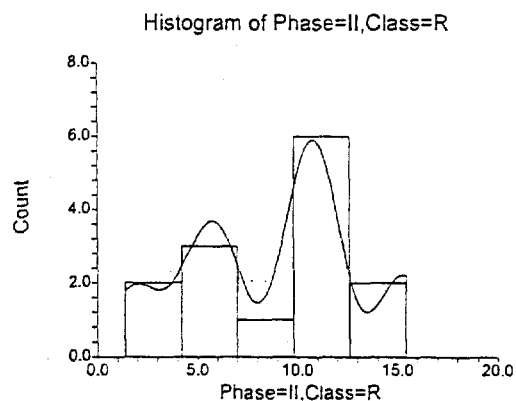
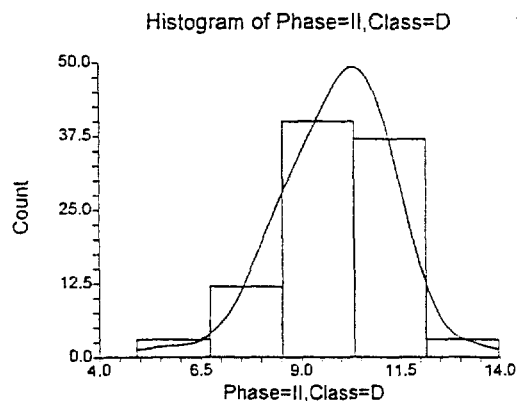
Number Sets of Ties = 11, Multiplicity Factor = 66

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Prob Level
Diff<>0			-0.5887	0.556064	Accept Ho	0.5842
Diff<0			-0.5887	0.721968	Accept Ho	-0.5932
Diff>0			-0.5887	0.278032	Accept Ho	-0.5842

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.396992	0.3662	.050	Reject Ho	0.0296
D(1)<D(2)	0.201504	0.3662	.025	Accept Ho	
D(1)>D(2)	0.396992	0.3662	.025	Reject Ho	

Plots Section



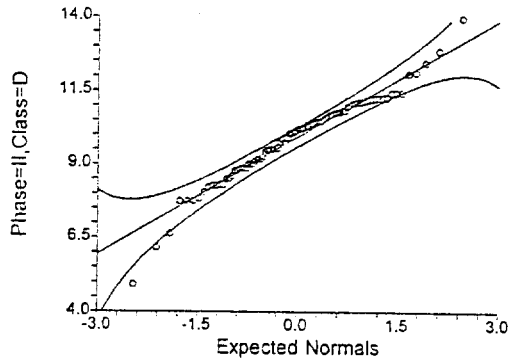
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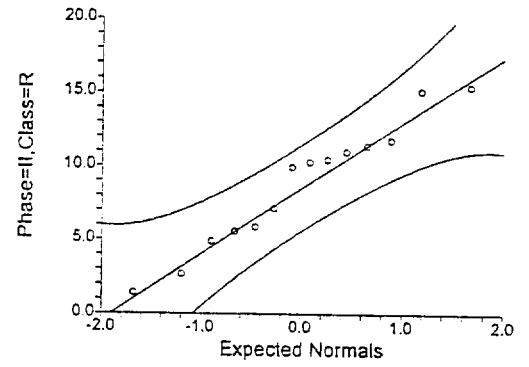
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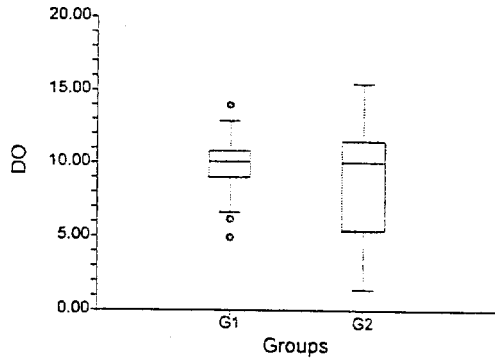
Normal Probability Plot of Phase=II, Class=D



Normal Probability Plot of Phase=II, Class=R



Box Plot



Two-Sample Test Report

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 Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-DOC.S0
 Variable DOC

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=I,Class=D	19	0.3389474	0.3302843	7.577241E-02	0.1797554	0.4981393
Phase=I,Class=R	2	0.26	0	0	0.26	0.26

Note: T-alpha (Phase=I,Class=D) = 2.1009, T-alpha (Phase=I,Class=R) = 0.0000

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	19	7.894737E-02	0.3214751	0.238982	-0.4212478	0.5791425
Unequal	18.00	7.894737E-02	0.3302843	7.577241E-02	-8.024457E-02	0.2381393

Note: T-alpha (Equal) = 2.0930, T-alpha (Unequal) = 2.1009

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.3303	0.744751	Accept Ho	0.061369	0.013512
Difference < 0	0.3303	0.627624	Accept Ho	0.024782	0.004214
Difference > 0	0.3303	0.372376	Accept Ho	0.092401	0.021766

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.0419	0.311250	Accept Ho	0.166899	0.052182
Difference < 0	1.0419	0.844375	Accept Ho	0.004037	0.000491
Difference > 0	1.0419	0.155625	Accept Ho	0.260443	0.086837

Difference: (Phase=I,Class=D)-(Phase=I,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=I,Class=D)	5.2986	0.000000	Reject normality
Kurtosis Normality (Phase=I,Class=D)	4.5968	0.000004	Reject normality
Omnibus Normality (Phase=I,Class=D)	49.2059	0.000000	Reject normality
Skewness Normality (Phase=I,Class=R)	0.0000		
Kurtosis Normality (Phase=I,Class=R)		1.000000	Cannot reject normality
Omnibus Normality (Phase=I,Class=R)			
Variance-Ratio Equal-Variance Test	9999800001.0000	0.000008	Reject equal variances
Modified-Levene Equal-Variance Test	0.1286	0.723863	Cannot reject equal variances

Two-Sample Test Report

Page/Date/Time 2 03-01-1999 13:34:39
 Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-DOC.S0
 Variable DOC

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=I,Class=D	22	212	209	6.444905
Phase=I,Class=R	16	19	22	6.444905

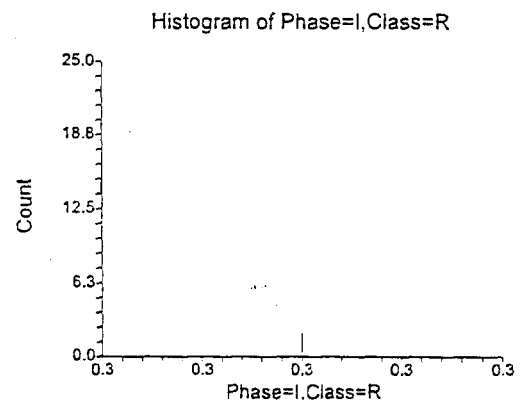
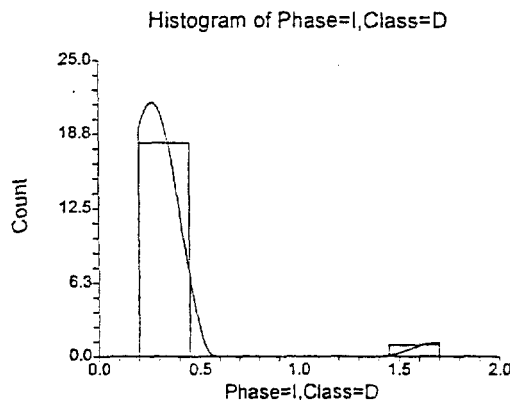
Number Sets of Ties = 2, Multiplicity Factor = 4104

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob	Decision		Prob	Decision	Prob	Decision	
	Level	(5%)	Z-Value	Level	(5%)	Z-Value	Level	(5%)
Diff<>0			-0.4655	0.641585	Accept Ho	0.3879	0.698088	Accept Ho
Diff<0			-0.4655	0.679208	Accept Ho	-0.5431	0.706457	Accept Ho
Diff>0			-0.4655	0.320792	Accept Ho	-0.3879	0.349044	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.210526	0.8712	.050	Accept Ho	1.0000
D(1)<D(2)	0.052632	0.8712	.025	Accept Ho	
D(1)>D(2)	0.210526	0.8712	.025	Accept Ho	

Plots Section



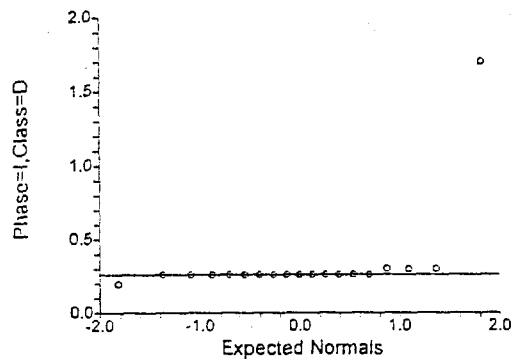
Two-Sample Test Report

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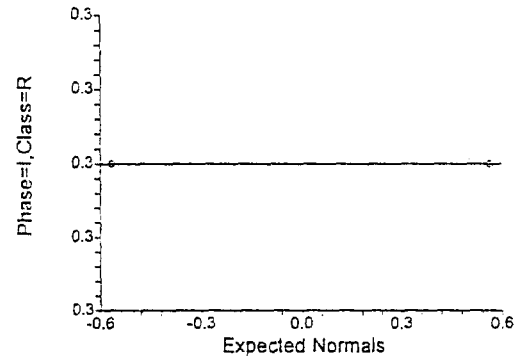
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Variable DOC

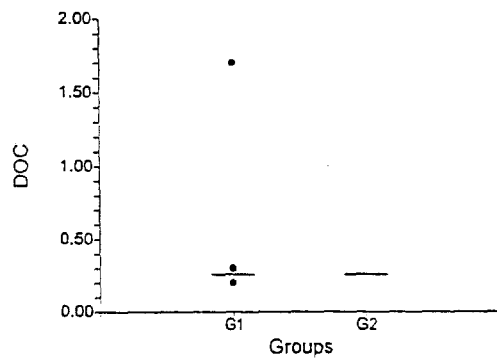
Normal Probability Plot of Phase=I, Class=D



Normal Probability Plot of Phase=I, Class=R



Box Plot



Two-Sample Test Report

Page/Date/Time 22 03-01-1999 13:34:47
 Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-DOC.S0
 Variable DOC

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=II,Class=D	54	0.4954259	0.4929992	0.0670887	0.360863	0.6299888
Phase=II,Class=R	14	0.7952857	1.087345	0.2906052	0.1674712	1.4231

Note: T-alpha (Phase=II,Class=D) = 2.0057, T-alpha (Phase=II,Class=R) = 2.1604

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	66	-0.2998598	0.6542601	0.1962203	-0.6916263	9.190673E-02
Unequal	14.41	-0.2998598	1.193888	0.2982487	-0.937826	0.3381065

Note: T-alpha (Equal) = 1.9966, T-alpha (Unequal) = 2.1390

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-1.5282	0.131247	Accept Ho	0.325178	0.138815
Difference < 0	-1.5282	0.065623	Accept Ho	0.447350	0.203453
Difference > 0	-1.5282	0.934377	Accept Ho	0.000796	0.000066

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-1.0054	0.331286	Accept Ho	0.155642	0.046729
Difference < 0	-1.0054	0.165643	Accept Ho	0.246232	0.079010
Difference > 0	-1.0054	0.834357	Accept Ho	0.004593	0.000586

Difference: (Phase=II,Class=D)-(Phase=II,Class=R)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=II,Class=D)	3.8368	0.000125	Reject normality
Kurtosis Normality (Phase=II,Class=D)	1.1526	0.249060	Cannot reject normality
Omnibus Normality (Phase=II,Class=D)	16.0495	0.000327	Reject normality
Skewness Normality (Phase=II,Class=R)	4.0796	0.000045	Reject normality
Kurtosis Normality (Phase=II,Class=R)	3.6426	0.000270	Reject normality
Omnibus Normality (Phase=II,Class=R)	29.9116	0.000000	Reject normality
Variance-Ratio Equal-Variance Test	4.8645	0.001656	Reject equal variances
Modified-Levene Equal-Variance Test	1.5661	0.215188	Cannot reject equal variances

Two-Sample Test Report

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 Variable DOC

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=II,Class=D	279	1764	1863	64.21777
Phase=II,Class=R	477	582	483	64.21777

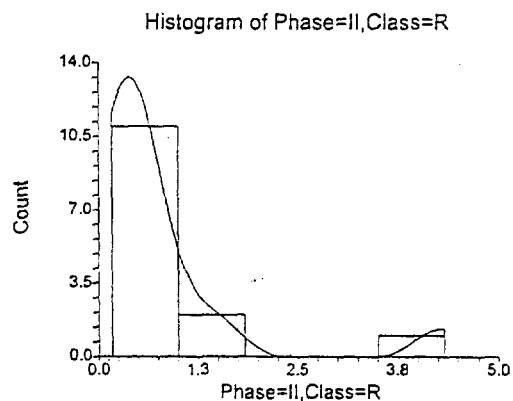
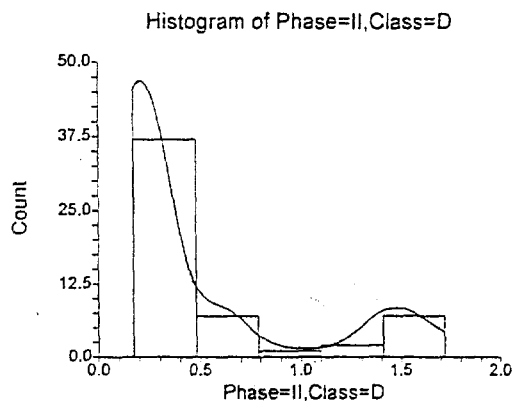
Number Sets of Ties = 3, Multiplicity Factor = 16614

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			1.5416	0.123164	Accept Ho	1.5338	0.125068	Accept Ho
Diff<0			1.5416	0.061582	Accept Ho	1.5338	0.062534	Accept Ho
Diff>0			1.5416	0.938418	Accept Ho	1.5494	0.939359	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.301587	0.3848	.050	Accept Ho	0.2119
D(1)<D(2)	0.301587	0.3848	.025	Accept Ho	
D(1)>D(2)	0.023810	0.3848	.025	Accept Ho	

Plots Section



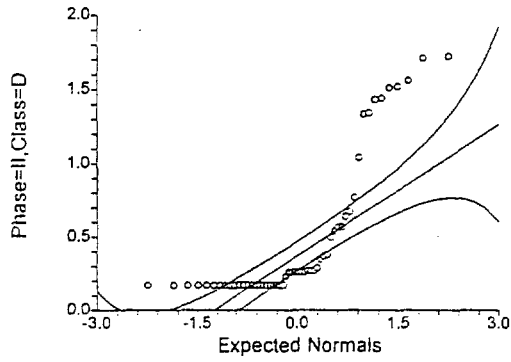
Two-Sample Test Report

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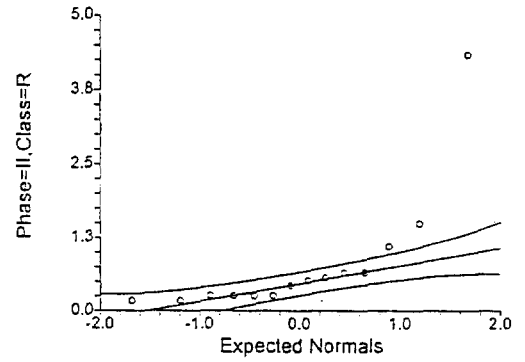
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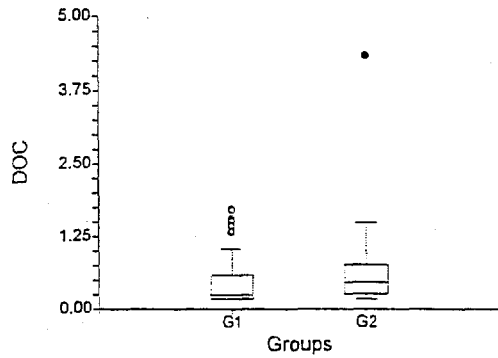
Normal Probability Plot of Phase=II,Class=D



Normal Probability Plot of Phase=II,Class=R



Box Plot



Analysis of Variance Report

Page/Date/Time 1 03-07-1999 13:36:43
 Database H:\FS 12\GW\FS12-GW-temp.S0
 Response Temp_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	6.4907	0.000000	Reject
Kurtosis Normality of Residuals	4.9717	0.000001	Reject
Omnibus Normality of Residuals	66.8479	0.000000	Reject
Modified-Levene Equal-Variance Test	3.2070	0.024703	Reject

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Season	S(A)	3	Yes	S(A)	S+sA
S(A)		162	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season		3	152.9282	50.97606	20.20	0.000000*	1.000000
S(A)		162	408.7991	2.523451			
Total (Adjusted)		165	561.7272				
Total		166					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	3	52.4247	0.000000	Reject Ho
Corrected for Ties	3	52.42656	0.000000	Reject Ho
Number Sets of Ties	15			
Multiplicity Factor	162			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	87	6482.50	74.51	-2.5285	12.16
Spring	17	1522.50	89.56	0.5486	12.01
Summer	50	5735.50	114.71	5.4927	13.375
Winter	12	120.50	10.04	-5.4967	10.105

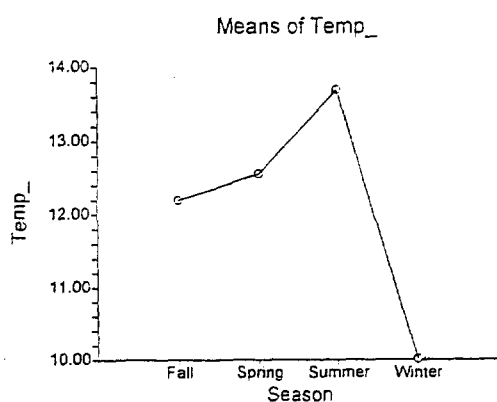
Analysis of Variance Report

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 Response Temp_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	166	12.52422		0.291891
A: Season				
Fall	87	12.1946	0.1703091	11.90271
Spring	17	12.55471	0.3852769	12.26281
Summer	50	13.6896	0.2246531	13.39771
Winter	12	10.015	0.4585713	9.723109

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Temp_
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=162 MSE=2.523451 Critical Value=1.974716

Group	Count	Mean	Different From Groups
Winter	12	10.015	Fall, Spring, Summer
Fall	87	12.1946	Winter, Summer
Spring	17	12.55471	Winter, Summer
Summer	50	13.6896	Winter, Fall, Spring

Analysis of Variance Report

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Response Temp_

Kruskal-Wallis Multiple-Comparison Z-Value Test

Temp_	Fall	Spring	Summer	Winter
Fall	0.0000	1.1806	4.7128	4.3559
Spring	1.1806	0.0000	1.8639	4.3880
Summer	4.7128	1.8639	0.0000	6.7746
Winter	4.3559	4.3880	6.7746	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.6383

Analysis of Variance Report

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 Response Temp_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	3.9638	0.000074	Reject
Kurtosis Normality of Residuals	2.3066	0.021079	Reject
Omnibus Normality of Residuals	21.0321	0.000027	Reject
Modified-Levene Equal-Variance Test	7.0474	0.001158	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Relative_Location		2	Yes	S(A)	S+sA
S(A)		164	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Relative_Location		2	56.80936	28.40468	9.16	0.000169*	0.974396
S(A)		164	508.4469	3.100286			
Total (Adjusted)		166	565.2563				
Total		167					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	6.897947	0.031778	Reject Ho
Corrected for Ties	2	6.898196	0.031774	Reject Ho

Number Sets of Ties 16
 Multiplicity Factor 168

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
D	130	10380.00	79.85	-2.0809	12.245
R	16	1811.00	113.19	2.5392	13.5
U	21	1837.00	87.48	0.3523	12.24

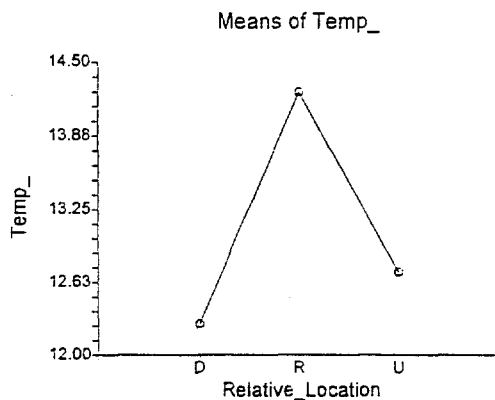
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 Response Temp_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	167	12.51293		0.2348818
A: Relative_Location				
D	130	12.26762	0.1544291	12.03273
R	16	14.24813	0.4401907	14.01324
U	21	12.70952	0.38423	12.47464

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Temp_
 Term A: Relative_Location

Alpha=0.050 Error Term=S(A) DF=164 MSE=3.100286 Critical Value=1.974535

Group	Count	Mean	Different From Groups
D	130	12.26762	R
U	21	12.70952	R
R	16	14.24813	D, U

Analysis of Variance Report

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Response Temp_

Kruskal-Wallis Multiple-Comparison Z-Value Test

Temp_	D	R	U
D	0.0000	2.6027	0.6710
R	2.6027	0.0000	1.6024
U	0.6710	1.6024	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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Response Temp_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	5.8894	0.000000	Reject
Kurtosis Normality of Residuals	4.3494	0.000014	Reject
Omnibus Normality of Residuals	53.6017	0.000000	Reject
Modified-Levene Equal-Variance Test	3.7572	0.054287	Accept

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Phase		1	Yes	S(A)	S+SA
S(A)		165	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Phase		1	0.8814238	0.8814238	0.26	0.612388	0.079653
S(A)		165	564.3748	3.420454			
Total (Adjusted)		166	565.2563				
Total		167					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.585124	0.444311	Accept Ho
Corrected for Ties	1	0.5851451	0.444303	Accept Ho
Number Sets of Ties	16			
Multiplicity Factor	168			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	37	2909.50	78.64	-0.7649	12.1
II	130	11118.50	85.53	0.7649	12.385

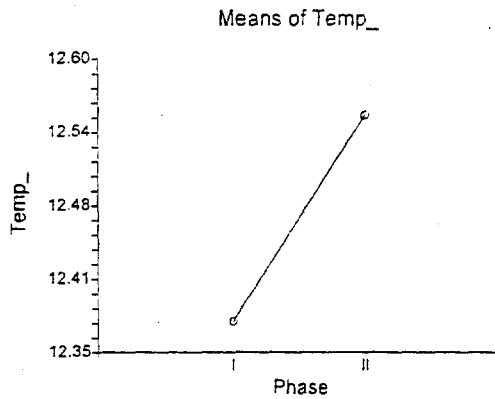
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 Response Temp_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	167	12.51293		0.1492721
A: Phase				
I	37	12.37676	0.3040472	12.22748
II	130	12.55169	0.1622072	12.40242

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Temp_
 Term A: Phase

Alpha=0.050 Error Term=S(A) DF=165 MSE=3.420454 Critical Value=1.974446

Group	Count	Mean	Different From Groups
I	37	12.37676	
II	130	12.55169	

Kruskal-Wallis Multiple-Comparison Z-Value Test

Temp_	I	II
I	0.0000	0.7649
II	0.7649	0.0000

Regular Test: Medians significantly different if z-value > 1.9600
 Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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Response Ph

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-3.8681	0.000110	Reject
Kurtosis Normality of Residuals	2.4126	0.015837	Reject
Omnibus Normality of Residuals	20.7827	0.000031	Reject
Modified-Levene Equal-Variance Test	0.1176	0.949666	Accept

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Season		3	Yes	S(A)	S+sA
S(A)		162	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season	3	1.809688	0.6032293	1.72	0.164733	0.443754
S(A)	162	56.77886	0.3504868			
Total (Adjusted)	165	58.58855				
Total	166					

• Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	3	5.684151	0.128030	Accept Ho
Corrected for Ties	3	5.685053	0.127980	Accept Ho

Number Sets of Ties 41
Multiplicity Factor 726

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	87	6899.00	79.30	-1.1818	6.23
Spring	17	1598.00	94.00	0.9507	6.44
Summer	50	4623.50	92.47	1.5786	6.425
Winter	12	740.50	61.71	-1.6306	6.13

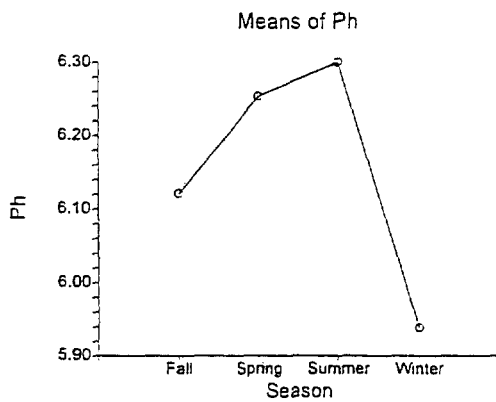
Analysis of Variance Report

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 Response Ph

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	166	6.17506		0.1482643
A: Season				
Fall	87	6.120805	6.347112E-02	5.97254
Spring	17	6.252941	0.1435858	6.104677
Summer	50	6.2998	8.372416E-02	6.151536
Winter	12	5.938334	0.1709012	5.790069

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Ph
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=162 MSE=0.3504868 Critical Value=1.974716

Group	Count	Mean	Different From Groups
Winter	12	5.938334	
Fall	87	6.120805	
Spring	17	6.252941	
Summer	50	6.2998	

Analysis of Variance Report

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Response Ph

Kruskal-Wallis Multiple-Comparison Z-Value Test

Ph	Fall	Spring	Summer	Winter
Fall	0.0000	1.1535	1.5443	1.1886
Spring	1.1535	0.0000	0.1134	1.7820
Summer	1.5443	0.1134	0.0000	1.9911
Winter	1.1886	1.7820	1.9911	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.6383

Analysis of Variance Report

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 Response Ph

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-3.5367	0.000405	Reject
Kurtosis Normality of Residuals	2.0926	0.036382	Reject
Omnibus Normality of Residuals	16.8876	0.000215	Reject
Modified-Levene Equal-Variance Test	0.0166	0.897590	Accept

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Phase		1	Yes	S(A)	S+sA
S(A)		165	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Phase		1	0.5866021	0.5866021	1.67	0.198413	0.250049
S(A)		165	58.04792	0.3518056			
Total (Adjusted)		166	58.63452				
Total		167					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.310072	0.577636	Accept Ho
Corrected for Ties	1	0.3101204	0.577606	Accept Ho

Number Sets of Ties 41
 Multiplicity Factor 726

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	37	3252.50	87.91	0.5568	6.15
II	130	10775.50	82.89	-0.5568	6.31

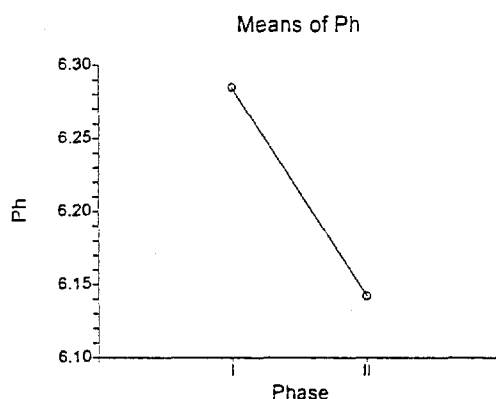
Analysis of Variance Report

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 Response Ph

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	167	6.173772		7.441328E-02
A: Phase				
I	37	6.284865	0.0975103	6.210452
II	130	6.142154	5.202112E-02	6.06774

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Ph
 Term A: Phase

Alpha=0.050 Error Term=S(A) DF=165 MSE=0.3518056 Critical Value=1.974446

Group	Count	Mean	Different From Groups
II	130	6.142154	
I	37	6.284865	

Kruskal-Wallis Multiple-Comparison Z-Value Test

Ph	I	II
I	0.0000	0.5569
II	0.5569	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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Response Ph

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-0.7837	0.433216	Accept
Kurtosis Normality of Residuals	2.8422	0.004481	Reject
Omnibus Normality of Residuals	8.6921	0.012958	Reject
Modified-Levene Equal-Variance Test	3.7750	0.024956	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Relative_Location		2	Yes	S(A)	S+sA
S(A)		164	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Relative_Location	2	24.84093	12.42046	60.28	0.000000*	1.000000
S(A)	164	33.7936	0.2060585			
Total (Adjusted)	166	58.63452				
Total	167					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	53.96413	0.000000	Reject Ho
Corrected for Ties	2	53.97254	0.000000	Reject Ho

Number Sets of Ties 41
Multiplicity Factor 726

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
D	130	12708.00	97.75	6.8902	6.425
R	16	942.00	58.88	-2.1858	5.985
U	21	378.00	18.00	-6.6898	5.4

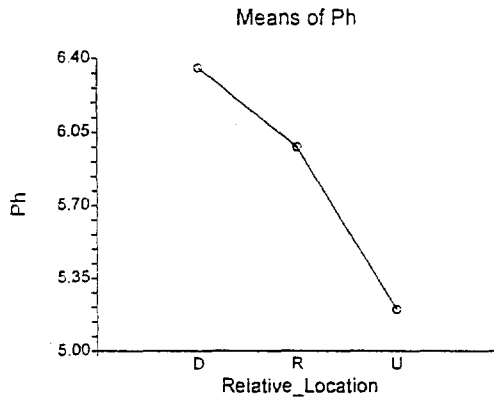
Analysis of Variance Report

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 Response Ph

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	167	6.173772		0.1049882
A: Relative_Location				
D	130	6.355231	3.981288E-02	6.250243
R	16	5.97875	0.1134842	5.873762
U	21	5.199048	9.905711E-02	5.094059

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Ph
 Term A: Relative_Location

Alpha=0.050 Error Term=S(A) DF=164 MSE=0.2060585 Critical Value=1.974535

Group	Count	Mean	Different From Groups
U	21	5.199048	R, D
R	16	5.97875	U, D
D	130	6.355231	U, R

Analysis of Variance Report

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Response Ph

Kruskal-Wallis Multiple-Comparison Z-Value Test

Ph	D	R	U
D	0.0000	3.0352	7.0138
R	3.0352	0.0000	2.5476
U	7.0138	2.5476	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Response DO

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-6.1745	0.000000	Reject
Kurtosis Normality of Residuals	4.1005	0.000041	Reject
Omnibus Normality of Residuals	54.9388	0.000000	Reject
Modified-Levene Equal-Variance Test	2.0702	0.106258	Accept

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Season		3	Yes	S(A)	S+sA
S(A)		161	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season		3	34.66932	11.55644	1.58	0.196184	0.410403
S(A)		161	1177.268	7.312222			
Total (Adjusted)		164	1211.937				
Total		165					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	3	8.847233	0.031392	Reject Ho
Corrected for Ties	3	8.847552	0.031388	Reject Ho

Number Sets of Ties 21
 Multiplicity Factor 162

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	87	7315.50	84.09	0.3084	10.13
Spring	17	1255.00	73.82	-0.8362	9.53
Summer	49	3693.00	75.37	-1.3338	9.61
Winter	12	1431.50	119.29	2.7327	11.35

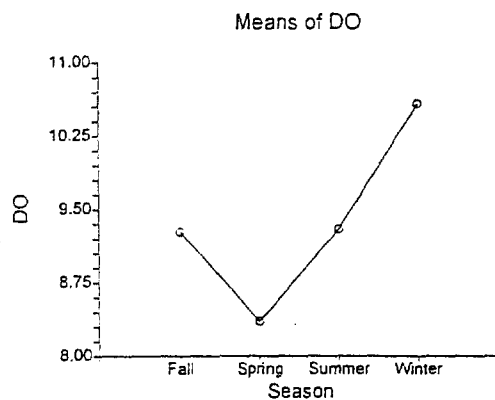
Analysis of Variance Report

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 Response DO

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	165	9.276242		0.2272074
A: Season				
Fall	87	9.268506	0.2899112	9.041298
Spring	17	8.354706	0.6558435	8.127499
Summer	49	9.291837	0.3863017	9.06463
Winter	12	10.57417	0.7806099	10.34696

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=161 MSE=7.312222 Critical Value=1.974808

Group	Count	Mean	Different From Groups
Spring	17	8.354706	Winter
Fall	87	9.268506	
Summer	49	9.291837	
Winter	12	10.57417	Spring

Analysis of Variance Report

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Response DO

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO	Fall	Spring	Summer	Winter
Fall	0.0000	0.8101	1.0218	2.3930
Spring	0.8101	0.0000	0.1148	2.5242
Summer	1.0218	0.1148	0.0000	2.8545
Winter	2.3930	2.5242	2.8545	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.6383

Analysis of Variance Report

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 Response DO

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-6.0070	0.000000	Reject
Kurtosis Normality of Residuals	3.8767	0.000106	Reject
Omnibus Normality of Residuals	51.1128	0.000000	Reject
Modified-Levene Equal-Variance Test	0.6714	0.413746	Accept

Expected Mean Squares Section

Source	DF	Term	Denominator	Expected Mean Square
Term		Fixed?	Term	
A: Phase	1	Yes	S(A)	S+sA
S(A)	164	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
Term						
A: Phase	1	5.386262E-02	5.386262E-02	0.01	0.932144	0.050824
S(A)	164	1214.668	7.406511			
Total (Adjusted)	165	1214.722				
Total	166					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.1535391	0.695176	Accept Ho
Corrected for Ties	1	0.1535447	0.695171	Accept Ho
Number Sets of Ties	22			
Multiplicity Factor	168			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	36	3106.00	86.28	0.3918	9.87
II	130	10755.00	82.73	-0.3918	9.965

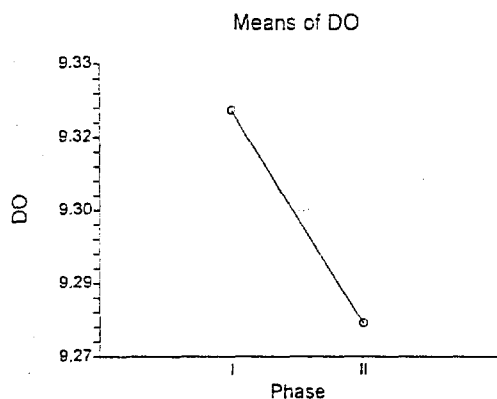
Analysis of Variance Report

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 Response DO

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	166	9.286325		0.1120325
A: Phase				
I	36	9.320556	0.4535818	9.208523
II	130	9.276846	0.2386905	9.164814

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO
 Term A: Phase

Alpha=0.050 Error Term=S(A) DF=164 MSE=7.406511 Critical Value=1.974535

Group	Count	Mean	Different From Groups
II	130	9.276846	
I	36	9.320556	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO	I	II
I	0.0000	0.3918
II	0.3918	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response DO

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-3.4537	0.000553	Reject
Kurtosis Normality of Residuals	3.1032	0.001914	Reject
Omnibus Normality of Residuals	21.5584	0.000021	Reject
Modified-Levene Equal-Variance Test	22.8279	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Relative_Location		2	Yes	S(A)	S+sA
S(A)		163	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Relative_Location		2	181.9129	90.95646	14.35	0.000002*	0.998642
S(A)		163	1032.809	6.33625			
Total (Adjusted)		165	1214.722				
Total		166					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	11.87026	0.002645	Reject Ho
Corrected for Ties	2	11.8707	0.002644	Reject Ho

Number Sets of Ties 22
 Multiplicity Factor 168

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
D	129	11602.50	89.94	3.2243	10.13
R	16	1152.50	72.03	-1.0041	8.5
U	21	1106.00	52.67	-3.1454	7.87

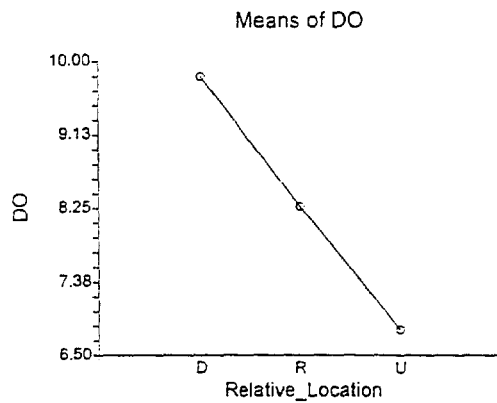
Analysis of Variance Report

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 Response DO

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	166	9.286325		0.1499411
A: Relative_Location				
D	129	9.816357	0.2216263	9.666415
R	16	8.26625	0.6292977	8.116309
U	21	6.807619	0.5492961	6.657678

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO
 Term A: Relative_Location

Alpha=0.050 Error Term=S(A) DF=163 MSE=6.33625 Critical Value=1.974625

Group	Count	Mean	Different From Groups
U	21	6.807619	D
R	16	8.26625	D
D	129	9.816357	U, R

Analysis of Variance Report

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Response DO

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO	D	R	U
D	0.0000	1.4059	3.2958
R	1.4059	0.0000	1.2141
U	3.2958	1.2141	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Response ~~Result~~ DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	7.1650	0.000000	Reject
Kurtosis Normality of Residuals	5.5586	0.000000	Reject
Omnibus Normality of Residuals	82.2358	0.000000	Reject
Modified-Levene Equal-Variance Test	2.0732	0.108273	Accept

Expected Mean Squares Section

Source	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Season	3	Yes	S(A)	S+sA
S(A)	104	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season	3	2.366869	0.7889563	1.90	0.134100	0.479323
S(A)	104	43.17424	0.4151369			
Total (Adjusted)	107	45.54111				
Total	108					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	3	6.274113	0.099010	Accept Ho
Corrected for Ties	3	6.488582	0.090114	Accept Ho

Number Sets of Ties 5
 Multiplicity Factor 41634

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	46	2770.50	60.23	1.6371	0.295
Spring	20	986.50	49.33	-0.8186	0.17
Summer	30	1347.50	44.92	-1.9720	0.26
Winter	12	781.50	65.13	1.2464	0.26

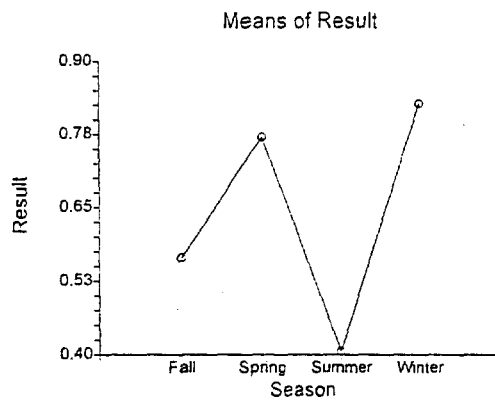
Analysis of Variance Report

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 Response Result

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	108	0.587463		2.376477E-02
A: Season				
Fall	46	0.5641956	9.499851E-02	0.5404309
Spring	20	0.7699	0.1440724	0.7461352
Summer	30	0.4058333	0.1176346	0.3820685
Winter	12	0.8266667	0.1859966	0.8029019

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Result
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=104 MSE=0.4151369 Critical Value=1.983037

Group	Count	Mean	Different From Groups
Summer	30	0.4058333	
Fall	46	0.5641956	
Spring	20	0.7699	
Winter	12	0.8266667	

Analysis of Variance Report

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Response Result

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	Fall	Spring	Summer	Winter
Fall	0.0000	1.3217	2.1184	0.4905
Spring	1.3217	0.0000	0.4958	1.4049
Summer	2.1184	0.4958	0.0000	1.9210
Winter	0.4905	1.4049	1.9210	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.6383

Analysis of Variance Report

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 Response DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	7.3895	0.000000	Reject
Kurtosis Normality of Residuals	5.6850	0.000000	Reject
Omnibus Normality of Residuals	86.9235	0.000000	Reject
Modified-Levene Equal-Variance Test	6.3237	0.013415	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Phase		1	Yes	S(A)	S+sA
S(A)		106	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Phase		1	1.708915	1.708915	4.13	0.044562*	0.521768
S(A)		106	43.8322	0.4135113			
Total (Adjusted)		107	45.54111				
Total		108					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.6207951	0.430752	Accept Ho
Corrected for Ties	1	0.6420158	0.422982	Accept Ho
Number Sets of Ties	5			
Multiplicity Factor	41634			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	21	1043.00	49.67	-0.7879	0.26
II	87	4843.00	55.67	0.7879	0.27

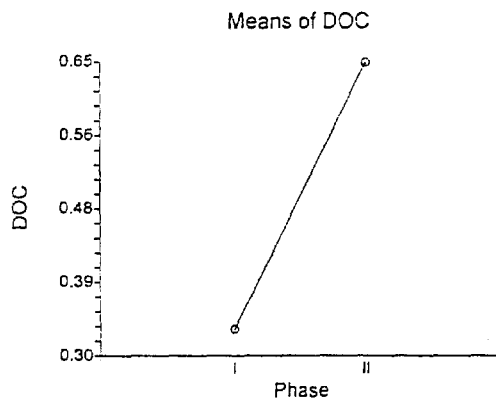
Analysis of Variance Report

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 Response DOC

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	108	0.587463		9.08049E-03
A: Phase				
I	21	0.3314286	0.1403247	0.3223481
II	87	0.6492644	6.894203E-02	0.6401839

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DOC
 Term A: Phase

Alpha=0.050 Error Term=S(A) DF=106 MSE=0.4135113 Critical Value=1.982597

Group	Count	Mean	Different From Groups
I	21	0.3314286	II
II	87	0.6492644	I

Kruskal-Wallis Multiple-Comparison Z-Value Test

DOC	I	II
I	0.0000	0.8013
II	0.8013	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	7.3733	0.000000	Reject
Kurtosis Normality of Residuals	5.6808	0.000000	Reject
Omnibus Normality of Residuals	86.6377	0.000000	Reject
Modified-Levene Equal-Variance Test	2.0386	0.135334	Accept

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Relative_location		2	Yes	S(A)	S+sA
S(A)		105	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Relative_location		2	4.515582	2.257791	5.78	0.004161*	0.860194
S(A)		105	41.02553	0.3907193			
Total (Adjusted)		107	45.54111				
Total		108					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	9.964711	0.006858	Reject Ho
Corrected for Ties	2	10.30534	0.005784	Reject Ho
Number Sets of Ties	5			
Multiplicity Factor	41634			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Downgrad	73	3534.00	48.41	-2.9178	0.26
Reference	16	964.00	60.25	0.7956	0.346
Upgrad	19	1388.00	73.05	2.8442	0.867

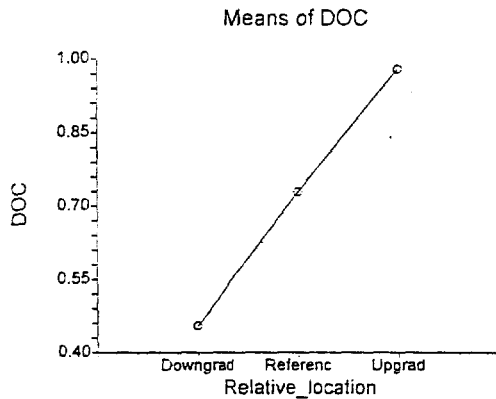
Analysis of Variance Report

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Response DOC

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	108	0.587463		2.001823E-02
A: Relative_location				
Downgrad	73	0.4546986	7.315955E-02	0.4346804
Reference	16	0.728375	0.1562689	0.7083568
Upgrad	19	0.9788947	0.1434021	0.9588765

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DOC
Term A: Relative_location

Alpha=0.050 Error Term=S(A) DF=105 MSE=0.3907193 Critical Value=1.982815

Group	Count	Mean	Different From Groups
Downgrad	73	0.4546986	Upgrad
Reference	16	0.728375	
Upgrad	19	0.9788947	Downgrad

Analysis of Variance Report

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Response DOC

Kruskal-Wallis Multiple-Comparison Z-Value Test

DOC	Downgrad	Reference	Upgrad
Downgrad	0.0000	1.3925	3.1066
Reference	1.3925	0.0000	1.2251
Upgrad	3.1066	1.2251	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-GW-alkalinity.S0

Summary Section of Alkalinity when Phase=I,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	6.675	3.312376	0.8852699	3.66	14.6	10.94

Counts Section of Alkalinity when Phase=I,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
102	14	0	12	93.45	766.4127	142.6339

Means Section of Alkalinity when Phase=I,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	6.675	5.0675	6.071283	5.621273	93.45	
Std Error	0.8852699				12.39378	
95% LCL	4.762491	4.34			66.67487	
95% UCL	8.587509	8			120.2251	
T-Value	7.5401					
Prob Level	0.000004					
Count	14		14	14		

Variation Section of Alkalinity when Phase=I,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	10.97184	3.312376	3.376629	0.8852699	4.09	10.94
Std Error	4.59532	0.9809821		0.2621785		
95% LCL	5.76634	2.40132		0.6417799		
95% UCL	28.47694	5.336379		1.426207		

Skewness and Kurtosis Section of Alkalinity when Phase=I,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.258228	3.455844	1.414536	1.264315	0.4962362	0.4635985
Std Error	0.5589058	1.790733			6.510182E-02	

Trimmed Section of Alkalinity when Phase=I,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	6.402222	6.139822	5.890204	5.557143	5.296429	5.0675
Trim-Std Dev	2.806539	2.302596	1.834143	1.293367	0.8075864	0.6781754
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of Alkalinity when Phase=I,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.589286	2.349286	10.18814	40.91679	358.7101
Std Error	0.5312889		4.267083	19.34005	185.7185

Descriptive Statistics Report

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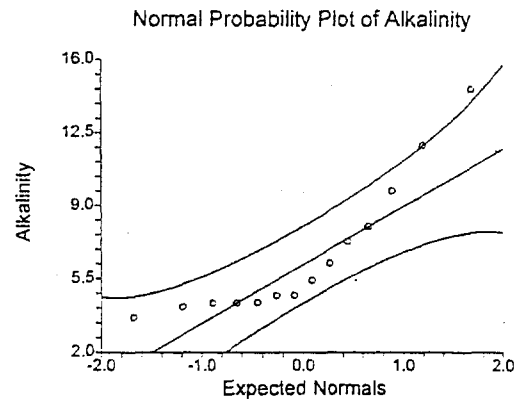
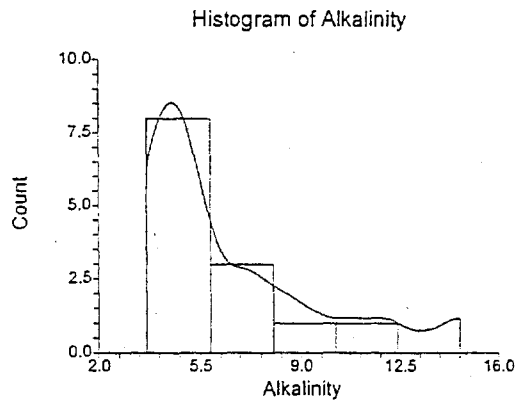
Quartile Section of Alkalinity when Phase=I,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	3.91	4.34	5.0675	8.43	13.25
95% LCL		3.66	4.34	4.705	
95% UCL		5.43	8	14.6	

Normality Test Section of Alkalinity when Phase=I,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8155204	0.007815			Reject Normality
Anderson-Darling	1.112597	0.006506			Reject Normality
Martinez-Iglewicz	3.078513		1.305415	1.57245	Reject Normality
Kolmogorov-Smirnov	0.2239911		0.208	0.226	Accept Normality
D'Agostino Skewness	2.2829	0.022436	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.1698	0.242088	1.645	1.960	Accept Normality
D'Agostino Omnibus	6.5801	0.037253	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=I,Status=D



Descriptive Statistics Report

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Percentile Section of Alkalinity when Phase=I,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	14.6			
95	14.6			
90	13.25			
85	11.355			
80	9.72	4.705	14.6	95.3622
75	8.43	4.705	14.6	97.1873
70	7.64	4.705	14.6	98.4929
65	7.02	4.705	11.9	95.5137
60	6.24	4.37	11.9	97.4393
55	5.6325	4.34	9.72	97.1563
50	5.0675	4.34	8	96.4844
45	4.705	4.34	8	97.1563
40	4.705	4.16	7.28	97.4393
35	4.45375	3.66	6.24	97.3253
30	4.355	3.66	5.43	96.1749
25	4.34	3.66	5.43	97.1873
20	4.34	3.66	5.43	95.3622
15	4.205			
10	3.91			
5	3.66			
1	3.66			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=I,Status=D

Depth	Stem	Leaves
1	3	6
7	4	133377
7	5	4
6	6	2
5	7	2
4	8	0
3	9	7
2	10	
2	11	9
High		146

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Summary Section of Alkalinity when Phase=I,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	19.0525	20.29043	14.3475	4.705	33.4	28.695

Counts Section of Alkalinity when Phase=I,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
102	2	0	2	38.105	1137.697	411.7015

Means Section of Alkalinity when Phase=I,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	19.0525	19.0525	12.53583	8.248104	38.105	4.705
Std Error	14.3475				28.695	
95% LCL	-163.2498				-326.4995	
95% UCL	201.3548				402.7095	
T-Value	1.3279					
Prob Level	0.410907					
Count	2		2	2		1

Variation Section of Alkalinity when Phase=I,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	411.7015	20.29043	25.43028	14.3475	28.695	28.695
Std Error	4.278269E-06	1.490946E-07		1.054258E-07		
95% LCL	81.94881	9.052558		6.401125		
95% UCL	419218.5	647.4708		457.831		

Skewness and Kurtosis Section of Alkalinity when Phase=I,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					1.064975	0.7530508
Std Error					0.5670855	

Trimmed Section of Alkalinity when Phase=I,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	19.0525	19.0525	19.0525	19.0525	19.0525	19.0525
Trim-Std Dev	21.52125	23.42937	26.84171			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of Alkalinity when Phase=I,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	14.3475	14.3475	205.8508	0	42374.54
Std Error			0	4176.8	4.672654E-04

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-GW-alkalinity.S0

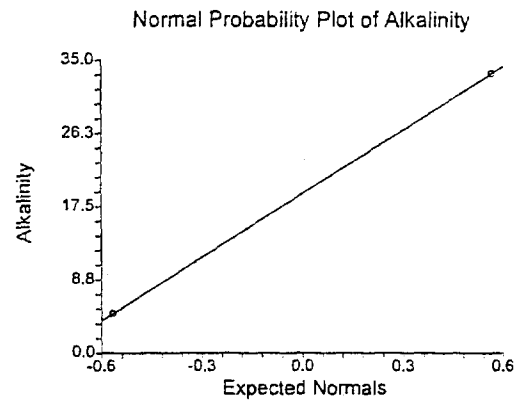
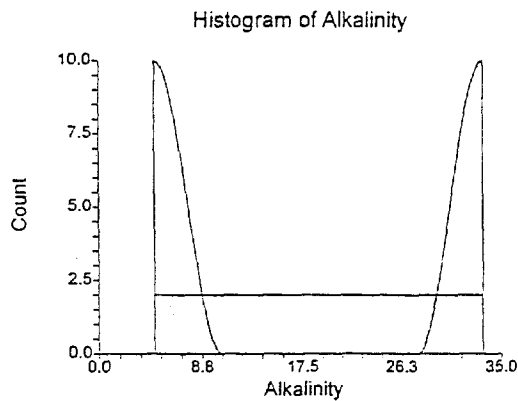
Quartile Section of Alkalinity when Phase=I,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	4.705	4.705	19.0525	33.4	33.4
95% LCL					
95% UCL					

Normality Test Section of Alkalinity when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of Alkalinity when Phase=I,Status=R



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Percentile Section of Alkalinity when Phase=I,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	33.4			
95	33.4			
90	33.4			
85	33.4			
80	33.4			
75	33.4			
70	33.4			
65	31.96525			
60	27.661			
55	23.35675			
50	19.0525			
45	14.74825			
40	10.444			
35	6.13975			
30	4.705			
25	4.705			
20	4.705			
15	4.705			
10	4.705			
5	4.705			
1	4.705			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=I,Status=R

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Summary Section of Alkalinity when Phase=II,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
54	10.55787	5.71719	0.778011	0.5	24.5	24

Counts Section of Alkalinity when Phase=II,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
102	54	0	46	570.125	7751.678	1732.372

Means Section of Alkalinity when Phase=II,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	10.55787	10.7	8.650313	5.916925	570.125	12.1
Std Error	0.778011				42.0126	
95% LCL	8.997378	6.4			485.8584	
95% UCL	12.11836	13.6			654.3916	
T-Value	13.5703					
Prob Level	0.000000					
Count	54		54	54		5

Variation Section of Alkalinity when Phase=II,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	32.68626	5.71719	5.74422	0.778011	9.1125	24
Std Error	4.726985	0.5846375		7.955908E-02		
95% LCL	23.09772	4.806008		0.6540149		
95% UCL	49.81469	7.057952		0.9604656		

Skewness and Kurtosis Section of Alkalinity when Phase=II,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.2484149	2.129358	0.2555696	-0.837074	0.5415097	0.4632658
Std Error	0.2335118	0.3031242			4.870659E-02	

Trimmed Section of Alkalinity when Phase=II,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	10.43815	10.35912	10.27212	10.28426	10.40309	10.67963
Trim-Std Dev	4.915578	4.445173	3.95443	3.108948	2.248608	1.376776
Count	48.6	43.2	37.8	27	16.2	5.4

Mean-Deviation Section of Alkalinity when Phase=II,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.956944	4.956944	32.08096	45.13867	2191.51
Std Error	0.4684542		4.639449	45.30702	707.5697

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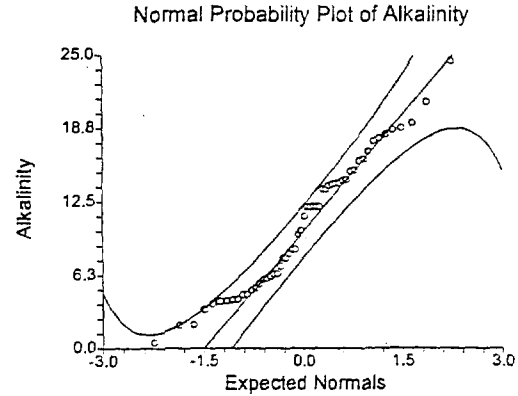
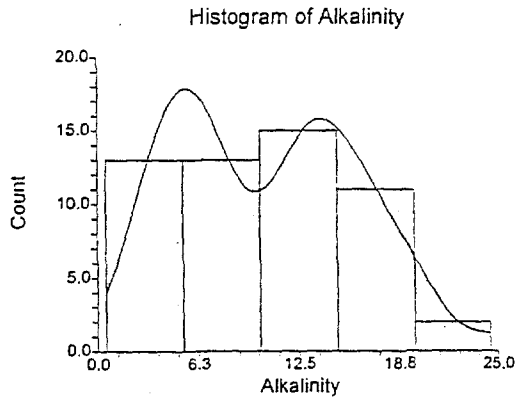
Quartile Section of Alkalinity when Phase=II,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	3.8975	5.4625	10.7	14.575	18.4
95% LCL	0.5	4.05	6.4	13.6	16
95% UCL	4.57	7.05	13.6	17.7	21

Normality Test Section of Alkalinity when Phase=II,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9619785	0.084513			Accept Normality
Anderson-Darling	0.7981766	0.038726			Reject Normality
Martinez-Iglewicz	0.9463602		1.087937	1.135332	Accept Normality
Kolmogorov-Smirnov	0.1183178		0.11	0.12	Accept Normality
D'Agostino Skewness	0.8173	0.413784	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.8513	0.064124	1.645	1.960	Accept Normality
D'Agostino Omnibus	4.0953	0.129039	4.605	5.991	Accept Normality

Plots Section of Alkalinity when Phase=II,Status=D



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Percentile Section of Alkalinity when Phase=II,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	24.5			
95	19.65			
90	18.4	16	21	95.9762
85	17.475	14.3	18.8	95.9124
80	16	14.1	18.6	95.8917
75	14.575	13.6	17.7	95.9031
70	14.1	12.1	16.1	96.3379
65	13.825	12.1	15.2	95.3625
60	12.1	8.5	14.3	96.2924
55	12.1	7.75	14	95.7298
50	10.7	6.4	13.6	95.2130
45	8.5	6.15	12.1	96.0032
40	7.75	5.55	12.1	96.0776
35	6.5625	4.975	9.75	95.3625
30	6.075	4.57	8.5	96.3379
25	5.4625	4.05	7.05	95.7025
20	4.6	3.805	6.15	95.8917
15	4.17125	2.03	5.55	96.5936
10	3.8975	0.5	4.57	95.6843
5	2.015			
1	0.5			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=II,Status=D

Depth	Stem	Leaves
2	0*	01
6	T	2333
15	F	444444555
22	S	6666777
26	.	8889
(2)	1*	01
26	T	22222333
18	F	4444455
11	S	66677
6	.	8889
2	2*	1
1	T	
1	F	4

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Summary Section of Alkalinity when Phase=II,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	13.62214	15.1122	4.038906	3.43	56.9	53.47

Counts Section of Alkalinity when Phase=II,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
102	14	0	13	190.71	5566.801	2968.922

Means Section of Alkalinity when Phase=II,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	13.62214	6.1	9.221876	7.220173	190.71	6.1
Std Error	4.038906				56.54468	
95% LCL	4.896617	5.1			68.55264	
95% UCL	22.34767	15			312.8674	
T-Value	3.3727					
Prob Level	0.004997					
Count	14		14	14		2

Variation Section of Alkalinity when Phase=II,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	228.3786	15.1122	15.40534	4.038906	12.2625	53.47
Std Error	134.8009	6.307396		1.685723		
95% LCL	120.0263	10.95565		2.928021		
95% UCL	592.7471	24.3464		6.506849		

Skewness and Kurtosis Section of Alkalinity when Phase=II,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.951975	5.877562	2.194466	4.841853	1.109385	1.379274
Std Error	0.7834027	3.807748			0.1556236	

Trimmed Section of Alkalinity when Phase=II,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	11.78405	10.29714	9.161224	7.567857	6.389286	6.1
Trim-Std Dev	11.53165	8.226034	6.148224	3.173301	1.076491	7.880552E-08
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of Alkalinity when Phase=II,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	10.68735	8.413571	212.0659	6028.102	264325.4
Std Error	2.423923		125.1723	3648.815	169580.5

Descriptive Statistics Report

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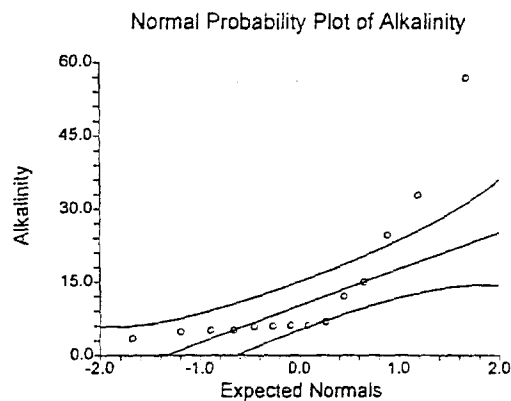
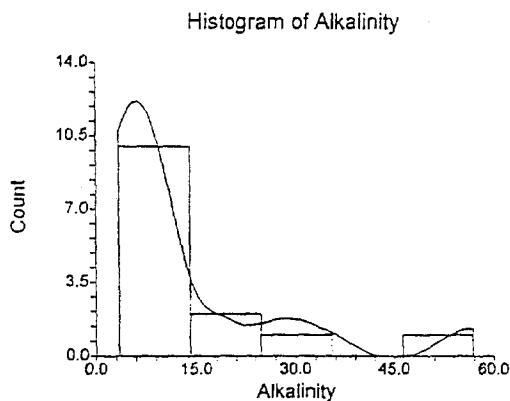
Quartile Section of Alkalinity when Phase=II,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	4.13	5.1375	6.1	17.4	44.85
95% LCL		3.43	5.1	6.1	
95% UCL		6.1	15	56.9	

Normality Test Section of Alkalinity when Phase=II,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6744807	0.000204			Reject Normality
Anderson-Darling	2.011341	0.000041			Reject Normality
Martinez-Iglewicz	66.08205		1.305415	1.57245	Reject Normality
Kolmogorov-Smirnov	0.3158253		0.208	0.226	Reject Normality
D'Agostino Skewness	3.2407	0.001192	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.6147	0.008931	1.645	1.960	Reject Normality
D'Agostino Omnibus	17.3385	0.000172	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=II,Status=R



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Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-ALKALINITY.S0

Percentile Section of Alkalinity when Phase=II,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	56.9			
95	56.9			
90	44.85			
85	30.75			
80	24.6	6.1	56.9	95.3622
75	17.4	6.1	56.9	97.1873
70	13.5	6	56.9	98.4929
65	10.7125	6	32.8	95.5137
60	6.85	5.85	32.8	97.4393
55	6.2875	5.15	24.6	97.1563
50	6.1	5.1	15	96.4844
45	6.075	5.1	15	97.1563
40	6	4.83	12	97.4393
35	5.8875	3.43	6.85	97.3253
30	5.5	3.43	6.1	96.1749
25	5.1375	3.43	6.1	97.1873
20	5.1	3.43	6.1	95.3622
15	4.8975			
10	4.13			
5	3.43			
1	3.43			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=II,Status=R

Depth	Stem	Leaves
2	0*	34
(7)	.	5556666
5	1*	2
4	.	5
3	2*	4
High		32, 56

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-GW-alkalinity.S0

Summary Section of Alkalinity when Phase=II,Status=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
18	10.14639	9.451872	2.227828	1.28	26.3	25.02

Counts Section of Alkalinity when Phase=II,Status=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
102	18	0	18	182.635	3371.83	1518.744

Means Section of Alkalinity when Phase=II,Status=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	10.14639	5.0425	6.245828	4.012814	182.635	1.28
Std Error	2.227828				40.10089	
95% LCL	5.446084	2.245			98.0295	
95% UCL	14.84669	22.2			267.2405	
T-Value	4.5544					
Prob Level	0.000281					
Count	18		18	18		1

Variation Section of Alkalinity when Phase=II,Status=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	89.33788	9.451872	9.591816	2.227828	19.98875	25.02
Std Error	16.48035	1.232916		0.2906012		
95% LCL	50.30452	7.092567		1.671734		
95% UCL	200.7809	14.16972		3.339834		

Skewness and Kurtosis Section of Alkalinity when Phase=II,Status=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.6394944	1.61254	0.6991615	-1.44229	0.9315503	1.468242
Std Error	0.4813452	0.6713817			0.1377823	

Trimmed Section of Alkalinity when Phase=II,Status=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	9.741543	9.347986	8.897778	7.518333	5.500741	5.0425
Trim-Std Dev	8.923992	8.529935	8.097318	6.452477	2.166053	0.83625
Count	16.2	14.4	12.6	9	5.4	1.8

Mean-Deviation Section of Alkalinity when Phase=II,Status=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	8.391296	7.403611	84.37467	495.6269	11479.81
Std Error	1.338332		15.56478	276.0876	2661.911

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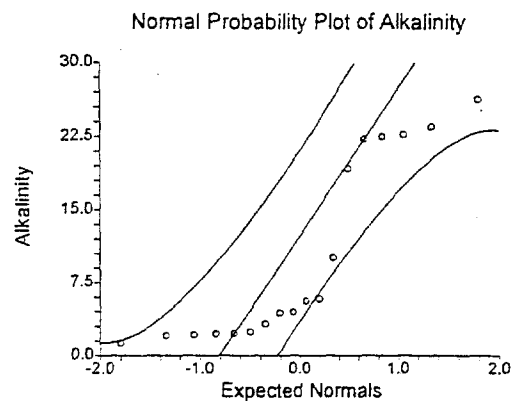
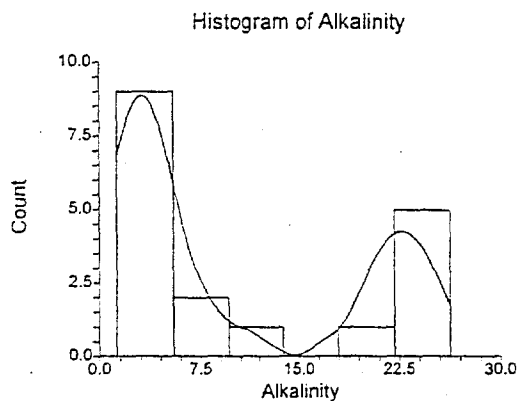
Quartile Section of Alkalinity when Phase=II,Status=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.9775	2.28625	5.0425	22.275	23.78
95% LCL		1.28	2.245	5.6	
95% UCL		4.485	22.2	26.3	

Normality Test Section of Alkalinity when Phase=II,Status=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7778849	0.000752			Reject Normality
Anderson-Darling	1.859009	0.000096			Reject Normality
Martinez-Iglewicz	1.426442		1.23901	1.407478	Reject Normality
Kolmogorov-Smirnov	0.2863961		0.185	0.202	Reject Normality
D'Agostino Skewness	1.3370	0.181232	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.1689	0.030093	1.645	1.960	Reject Normality
D'Agostino Omnibus	6.4914	0.038940	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=II,Status=U



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Summary Section of DIC when Phase=I,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
15	3.266667	1.104818	0.2852629	1.8	6.03	4.23

Counts Section of DIC when Phase=I,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
98	15	0	14	49	177.1554	17.08873

Means Section of DIC when Phase=I,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	3.266667	3.32	3.100236	2.93992	49	3.4
Std Error	0.2852629				4.278944	
95% LCL	2.654839	2.2			39.82258	
95% UCL	3.878495	3.58			58.17742	
T-Value	11.4514					
Prob Level	0.000000					
Count	15		15	15		2

Variation Section of DIC when Phase=I,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.220624	1.104818	1.124708	0.2852629	1.38	4.23
Std Error	0.5278918	0.3378617		8.723553E-02		
95% LCL	0.6542658	0.808867		0.2088486		
95% UCL	3.035986	1.742408		0.4498878		

Skewness and Kurtosis Section of DIC when Phase=I,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.8046991	3.805546	0.8970152	1.695143	0.3382097	0.2240964
Std Error	0.3167315	1.189361			6.448007E-02	

Trimmed Section of DIC when Phase=I,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	3.19463	3.1625	3.163571	3.246	3.304445	3.323333
Trim-Std Dev	0.8799244	0.6954152	0.5555406	0.2630677	0.1054394	5.066228E-02
Count	13.5	12	10.5	7.5	4.5	1.5

Mean-Deviation Section of DIC when Phase=I,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.7493333	0.744	1.139249	0.9785014	4.939173
Std Error	0.1712491		0.492699	0.8239198	3.11852

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-GW-alkalinity.S0

Percentile Section of Alkalinity when Phase=II,Status=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	26.3			
95	26.3			
90	23.78			
85	22.82			
80	22.54	5.85	26.3	96.5705
75	22.275	5.6	26.3	97.5015
70	20.1	4.485	23.5	96.4842
65	13.285	4.41	22.7	95.5152
60	7.55	2.5	22.5	96.1468
55	5.7125	2.3	22.2	95.4025
50	5.0425	2.245	22.2	98.0789
45	4.45125	2.245	19.2	96.9728
40	3.954	2.14	10.1	97.1492
35	3.0005	2.14	5.85	95.5152
30	2.44	2.055	5.6	96.4842
25	2.28625	1.28	4.485	97.5015
20	2.224	1.28	4.41	96.5705
15	2.12725			
10	1.9775			
5	1.28			
1	1.28			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=II,Status=U

Depth	Stem	Leaves
9	0*	122222344
9	.	55
7	1*	0
6	.	9
5	2*	2223
1	.	6

Unit = 1 Example: 1 |2 Represents 12

Descriptive Statistics Report

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Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-DIC.S0

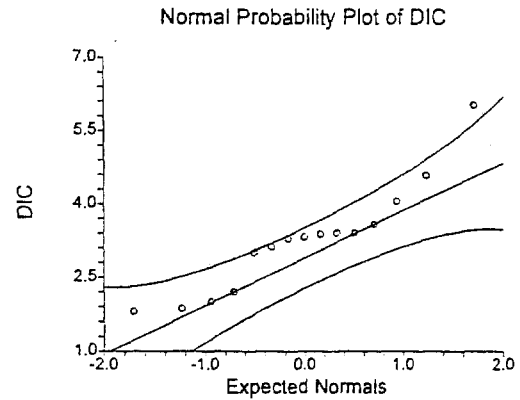
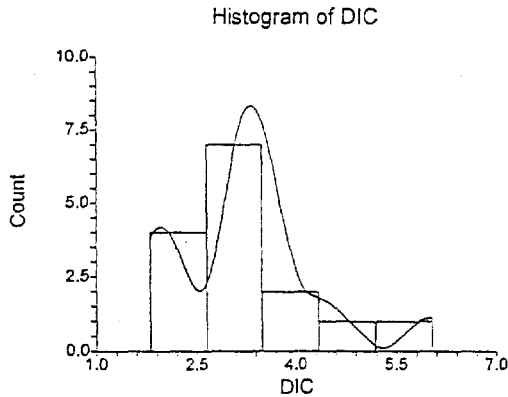
Quartile Section of DIC when Phase=I,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.836	2.2	3.32	3.58	5.16
95% LCL		1.8	2.2	3.32	
95% UCL		3.32	3.58	6.03	

Normality Test Section of DIC when Phase=I,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9043834	0.111061			Accept Normality
Anderson-Darling	0.6133248	0.110717			Accept Normality
Martinez-Iglewicz	1.263536		1.28528	1.519449	Accept Normality
Kolmogorov-Smirnov	0.1883561		0.201	0.219	Accept Normality
D'Agostino Skewness	1.5643	0.117752	1.645	1.960	Accept Normality
D'Agostino Kurtosis	1.4422	0.149256	1.645	1.960	Accept Normality
D'Agostino Omnibus	4.5268	0.103996	4.605	5.991	Accept Normality

Plots Section of DIC when Phase=I,Status=D



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Database C:\PROGRAM FILES\NCSS97\DATA\FS12-GW-DIC.S0

Percentile Section of DIC when Phase=I,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	6.03			
95	6.03			
90	5.16			
85	4.368			
80	3.956	3.32	6.03	96.0576
75	3.58	3.32	6.03	95.9337
70	3.436	3.28	6.03	98.0010
65	3.4	3.12	4.58	97.3378
60	3.392	3	4.05	96.3538
55	3.368	3	4.05	96.3882
50	3.32	2.2	3.58	96.4844
45	3.288	2	3.4	96.3882
40	3.184	1.86	3.4	96.0995
35	3.072	1.86	3.4	97.3378
30	2.84	1.8	3.38	98.0010
25	2.2	1.8	3.32	96.9337
20	2.04	1.8	3.32	96.0576
15	1.916			
10	1.836			
5	1.8			
1	1.8			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=I,Status=D

Depth	Stem	Leaves
2	1.	88
4	2*	02
4	.	
(7)	3*	0123344
4	.	5
3	4*	0
2	.	5
High		60

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of DIC when Phase=I,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	11.19	9.065109	6.41	4.78	17.6	12.82

Counts Section of DIC when Phase=I,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
98	2	0	2	22.38	332.6084	82.1762

Means Section of DIC when Phase=I,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	11.19	11.19	9.172132	7.518141	22.38	4.78
Std Error	6.41				12.82	
95% LCL	-70.25677				-140.5135	
95% UCL	92.63677				185.2735	
T-Value	1.7457					
Prob Level	0.331172					
Count	2		2	2		1

Variation Section of DIC when Phase=I,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	82.1762	9.065109	11.36143	6.41	12.82	12.82
Std Error	7.123004E-07	5.556166E-08		3.928803E-08		
95% LCL	16.3571	4.044391		2.859816		
95% UCL	83676.59	289.2691		204.5441		

Skewness and Kurtosis Section of DIC when Phase=I,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					0.8101081	0.5728329
Std Error					0.3281375	

Trimmed Section of DIC when Phase=I,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	11.19	11.19	11.19	11.19	11.19	11.19
Trim-Std Dev	9.615	10.46749	11.99201			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of DIC when Phase=I,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	6.41	6.41	41.0881	0	1688.232
Std Error			0	372.4681	0

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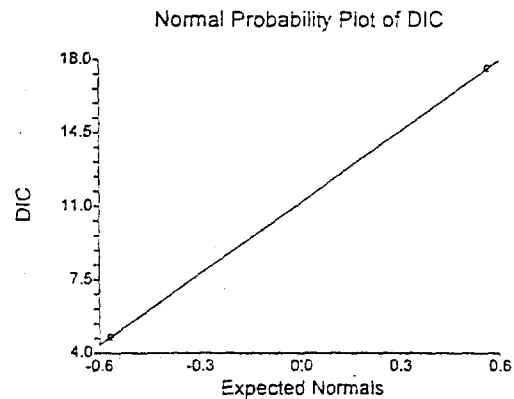
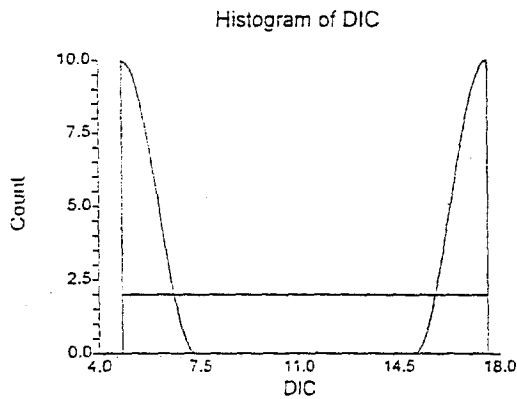
Quartile Section of DIC when Phase=I,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	4.78	4.78	11.19	17.6	17.6
95% LCL					
95% UCL					

Normality Test Section of DIC when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of DIC when Phase=I,Status=R



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Percentile Section of DIC when Phase=I,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	17.6			
95	17.6			
90	17.6			
85	17.6			
80	17.6			
75	17.6			
70	17.6			
65	16.959			
60	15.036			
55	13.113			
50	11.19			
45	9.267			
40	7.344			
35	5.421			
30	4.78			
25	4.78			
20	4.78			
15	4.78			
10	4.78			
5	4.78			
1	4.78			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=I,Status=R

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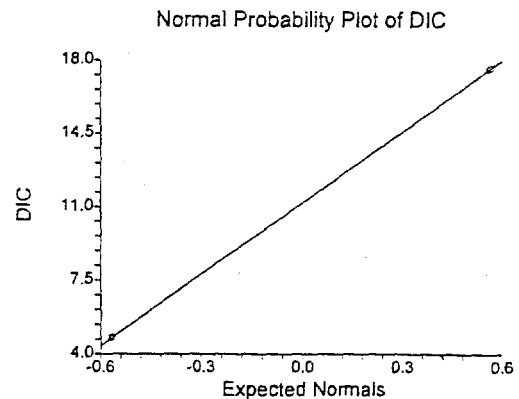
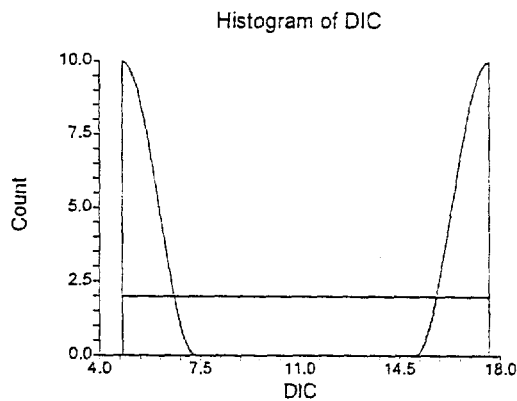
Quartile Section of DIC when Phase=I,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	4.78	4.78	11.19	17.6	17.6
95% LCL					
95% UCL					

Normality Test Section of DIC when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of DIC when Phase=I,Status=R



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Summary Section of DIC when Phase=II,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
51	4.286274	1.205567	0.1688132	2	9.31	7.31

Counts Section of DIC when Phase=II,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
98	51	0	45	218.6	1009.649	72.66959

Means Section of DIC when Phase=II,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	4.286274	4.45	4.120846	3.944887	218.6	4.5
Std Error	0.1688132				8.60947	
95% LCL	3.947203	4.09			201.3074	
95% UCL	4.625346	4.52			235.8926	
T-Value	25.3906					
Prob Level	0.000000					
Count	51		51	51		5

Variation Section of DIC when Phase=II,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.453392	1.205567	1.21161	0.1688132	1.47	7.31
Std Error	0.5161593	0.3027453		4.239282E-02		
95% LCL	1.017494	1.008709		0.1412475		
95% UCL	2.245844	1.498614		0.2098479		

Skewness and Kurtosis Section of DIC when Phase=II,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.9948149	7.432388	1.025218	5.0273	0.2812622	0.1869575
Std Error	0.7611979	1.572757			0.0467435	

Trimmed Section of DIC when Phase=II,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	4.246329	4.2875	4.307073	4.33598	4.369935	4.447059
Trim-Std Dev	0.8372306	0.6652567	0.5347301	0.3537619	0.1661198	4.278671E-02
Count	45.9	40.8	35.7	25.5	15.3	5.1

Mean-Deviation Section of DIC when Phase=II,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8454133	0.8319608	1.424894	1.692061	15.09015
Std Error	0.1016385		0.5060385	2.073681	11.74794

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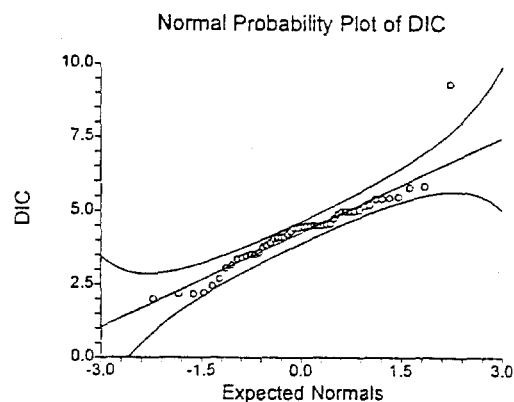
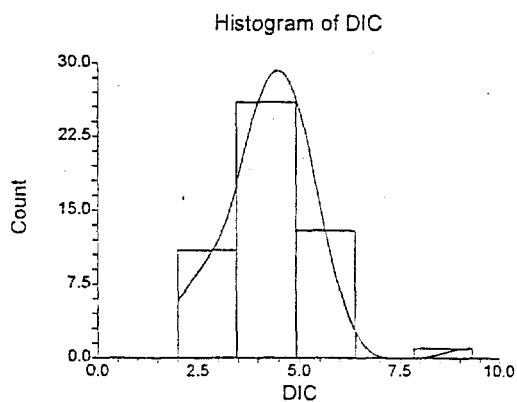
Quartile Section of DIC when Phase=II,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	2.488	3.52	4.45	4.99	5.444
95% LCL	2	2.68	4.09	4.5	5
95% UCL	3.4	4.09	4.52	5.41	5.84

Normality Test Section of DIC when Phase=II,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8993527	0.000400			Reject Normality
Anderson-Darling	0.9808483	0.013731			Reject Normality
Martinez-Iglewicz	1.451115		1.092476	1.142205	Reject Normality
Kolmogorov-Smirnov	0.1022201		0.113	0.123	Accept Normality
D'Agostino Skewness	2.8445	0.004449	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.4884	0.000486	1.645	1.960	Reject Normality
D'Agostino Omnibus	20.2596	0.000040	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=II,Status=D



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Percentile Section of DIC when Phase=II,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	9.31			
95	5.816			
90	5.444	5	5.84	95.8204
85	5.242	4.99	5.8	95.2531
80	5.018	4.57	5.45	96.6358
75	4.99	4.5	5.41	96.6074
70	4.8	4.5	5.03	95.0242
65	4.544	4.47	5	95.9943
60	4.5	4.4	4.98	95.5724
55	4.5	4.2	4.74	95.0339
50	4.45	4.09	4.52	95.1126
45	4.34	3.83	4.5	95.0339
40	4.116	3.58	4.5	95.5724
35	4.058	3.45	4.42	95.9943
30	3.802	3.35	4.2	95.3153
25	3.52	2.68	4.09	95.8858
20	3.42	2.44	3.92	96.6358
15	3.128	2.17	3.52	95.2531
10	2.488	2	3.4	96.7491
5	2.166			
1	2			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=II,Status=D

Depth	Stem	Leaves
5	2*	01124
6	.	6
11	3*	01344
17	.	555789
(10)	4*	0011234444
24	.	555555578999
11	5*	00124444
3	.	88
High		93

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of DIC when Phase=II,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	9.120714	6.639647	1.77452	4.32	29.9	25.58

Counts Section of DIC when Phase=II,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
98	14	0	14	127.69	1737.728	573.1039

Means Section of DIC when Phase=II,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	9.120714	6.655	7.803755	7.013412	127.69	4.32
Std Error	1.77452				24.84328	
95% LCL	5.287096	4.58			74.01935	
95% UCL	12.95433	10.3			181.3607	
T-Value	5.1398					
Prob Level	0.000190					
Count	14		14	14		1

Variation Section of DIC when Phase=II,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	44.08492	6.639647	6.768441	1.77452	4.95	25.58
Std Error	31.30369	3.333769		0.8909873		
95% LCL	23.16919	4.813438		1.286445		
95% UCL	114.4205	10.69675		2.858828		

Skewness and Kurtosis Section of DIC when Phase=II,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.375515	8.058933	2.670621	8.064333	0.7279745	0.5507138
Std Error	0.943215	6.191642			0.1494968	

Trimmed Section of DIC when Phase=II,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	8.233016	7.669464	7.447143	7.27	6.918809	6.655
Trim-Std Dev	4.593822	2.699199	2.063635	1.479645	0.754533	8.418729E-02
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of DIC when Phase=II,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.19949	3.665	40.93599	622.1796	13504.8
Std Error	1.064967		29.06771	436.4906	9172.04

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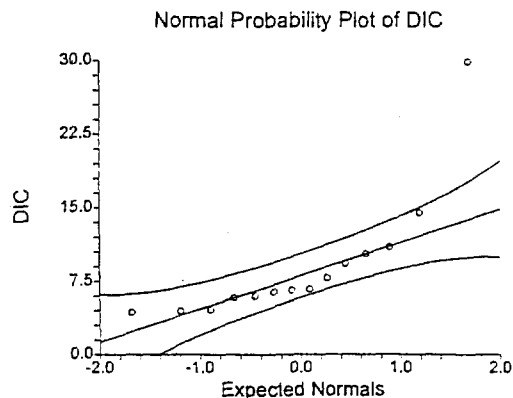
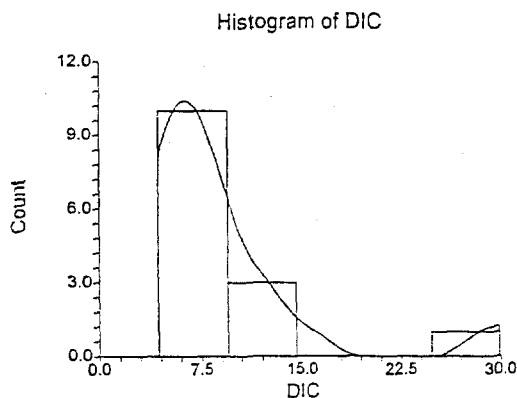
Quartile Section of DIC when Phase=II,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	4.375	5.525	6.655	10.475	22.2
95% LCL		4.32	4.58	6.61	
95% UCL		6.7	10.3	29.9	

Normality Test Section of DIC when Phase=II,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6749582	0.000206			Reject Normality
Anderson-Darling	1.700722	0.000234			Reject Normality
Martinez-Iglewicz	5.759854		1.305415	1.57245	Reject Normality
Kolmogorov-Smirnov	0.2457159		0.208	0.226	Reject Normality
D'Agostino Skewness	3.7301	0.000191	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.3257	0.000882	1.645	1.960	Reject Normality
D'Agostino Omnibus	24.9738	0.000004	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=II,Status=R



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Percentile Section of DIC when Phase=II,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	29.9			
95	29.9			
90	22.2			
85	13.625			
80	11	6.61	29.9	95.3622
75	10.475	6.61	29.9	97.1873
70	9.8	6.42	29.9	98.4929
65	8.925	6.42	14.5	95.5137
60	7.8	5.99	14.5	97.4393
55	6.975	5.84	11	97.1563
50	6.655	4.58	10.3	96.4844
45	6.5625	4.58	10.3	97.1563
40	6.42	4.43	9.3	97.4393
35	6.0975	4.32	7.8	97.3253
30	5.915	4.32	6.7	96.1749
25	5.525	4.32	6.7	97.1873
20	4.58	4.32	6.7	95.3622
15	4.4675			
10	4.375			
5	4.32			
1	4.32			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=II,Status=R

Depth	Stem	Leaves
3	4	345
5	5	89
(3)	6	467
6	7	8
5	8	
5	9	3
4	10	3
3	11	0
2	12	
2	13	
2	14	5
High		299

Unit = .1 Example: 1 | 2 Represents 1.2

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Summary Section of DIC when Phase=II,Status=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
16	12.92562	4.764664	1.191166	6.57	19.3	12.63

Counts Section of DIC when Phase=II,Status=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
98	16	0	16	206.81	3013.679	340.5304

Means Section of DIC when Phase=II,Status=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	12.92562	12.8	12.04274	11.16297	206.81	6.67
Std Error	1.191166				19.05866	
95% LCL	10.38671	7.7			166.1874	
95% UCL	15.46454	16.3			247.4326	
T-Value	10.8512					
Prob Level	0.000000					
Count	16		16	16		1

Variation Section of DIC when Phase=II,Status=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	22.70203	4.764664	4.844681	1.191166	9.655	12.63
Std Error	4.017622	0.5962409		0.1490602		
95% LCL	12.38815	3.519681		0.8799202		
95% UCL	54.37926	7.374229		1.843557		

Skewness and Kurtosis Section of DIC when Phase=II,Status=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-1.379296E-03	1.501105	-1.526283E-03	-1.605595	0.3686216	0.3222168
Std Error	0.3933049	0.2014448			4.636779E-02	

Trimmed Section of DIC when Phase=II,Status=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	12.91903	12.91406	12.88893	12.8725	13.12083	12.8
Trim-Std Dev	4.544288	4.257471	3.898013	2.986884	2.115103	0.4898979
Count	14.4	12.8	11.2	8	4.8	1.6

Mean-Deviation Section of DIC when Phase=II,Status=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.124375	4.124375	21.28315	-0.1354289	679.9593
Std Error	0.7152659		3.766521	38.61573	160.9075

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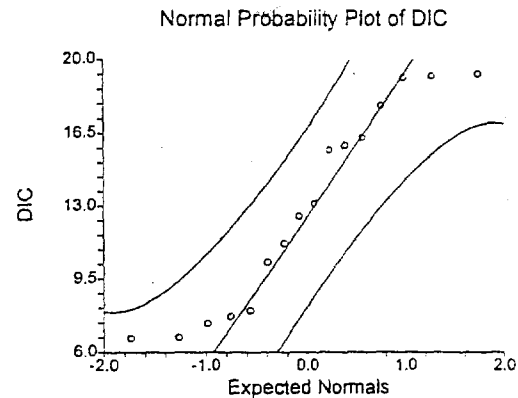
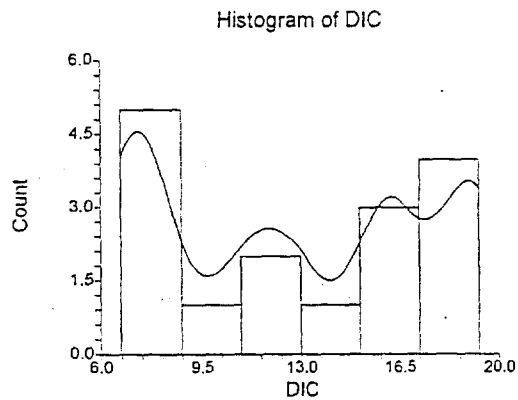
Quartile Section of DIC when Phase=II,Status=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	6.691	7.77	12.8	17.425	19.23
95% LCL		6.67	7.7	13.1	
95% UCL		12.5	16.3	19.3	

Normality Test Section of DIC when Phase=II,Status=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.895416	0.067900			Accept Normality
Anderson-Darling	0.5740116	0.136260			Accept Normality
Martinez-Iglewicz	0.9970374		1.267819	1.475586	Accept Normality
Kolmogorov-Smirnov	0.1628603		0.195	0.213	Accept Normality
D'Agostino Skewness	-0.0029	0.997713	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.3819	0.017224	1.645	1.960	Reject Normality
D'Agostino Omnibus	5.6734	0.058618	4.605	5.991	Accept Normality

Plots Section of DIC when Phase=II,Status=U



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Percentile Section of DIC when Phase=II,Status=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	19.3			
95	19.3			
90	19.23			
85	19.145			
80	18.58	13.1	19.3	96.4849
75	17.425	13.1	19.3	96.2847
70	16.26	12.5	19.3	97.1003
65	15.92	11.2	19.2	96.7381
60	15.74	10.3	19.1	96.2521
55	14.01	7.98	17.8	95.6935
50	12.8	7.7	16.3	95.0958
45	12.045	7.7	16.3	95.6935
40	11.02	7.36	15.9	96.2521
35	10.184	6.7	15.7	96.7381
30	8.212	6.67	13.1	97.1003
25	7.77	6.67	12.5	96.2847
20	7.496	6.67	12.5	96.4849
15	7.063			
10	6.691			
5	6.67			
1	6.67			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=II,Status=U

Depth	Stem	Leaves
5	S	66777
5	.	
7	1*	01
(2)	T	23
7	F	55
5	S	67
3	.	999

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of Redox when Phase=I,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	131.9857	91.29948	15.43243	-59.2	278.1	337.3

Counts Section of Redox when Phase=I,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	35	0	34	4619.5	893118.3	283410.2

Means Section of Redox when Phase=I,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	131.9857	117.9	108.3157	85.29617	4619.5	110.9
Std Error	15.43243				540.135	
95% LCL	100.6232	86.4			3521.814	
95% UCL	163.3482	185			5717.187	
T-Value	8.5525					
Prob Level	0.000000					
Count	35		33	35		2

Variation Section of Redox when Phase=I,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	8335.595	91.29948	91.97318	15.43243	173	337.3
Std Error	1366.615	10.58432		1.789076		
95% LCL	5453.763	73.84959		12.48286		
95% UCL	14309.13	119.6208		20.2196		

Skewness and Kurtosis Section of Redox when Phase=I,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.1174394	1.940778	-0.1227646	-1.034553	0.6917376	0.6545498
Std Error	0.2586643	0.2583375			0.1032715	

Trimmed Section of Redox when Phase=I,Relative_Location=D

Parameter	5%	10%	15%	25%	35%	45%
Trim-Mean	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed
Trim-Mean	133.8111	134.3696	134.3582	132.5829	131.619	120.5071
Trim-Std Dev	80.44823	73.34839	65.71308	45.67075	31.0893	10.34722
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of Redox when Phase=I,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	77.64163	77.17142	8097.435	-85572.63	1.272538E+08
Std Error	9.286337		1327.568	193786.4	3.922034E+07

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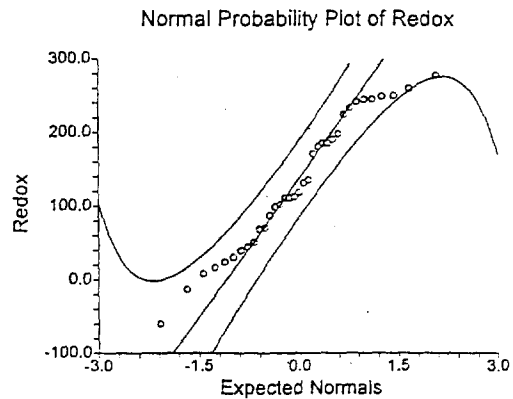
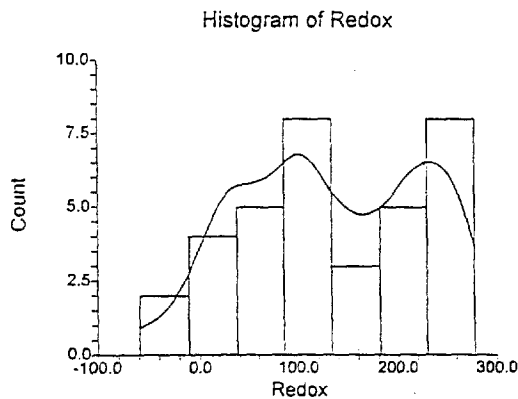
Quartile Section of Redox when Phase=I,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	13.26	50.9	117.9	223.9	249.44
95% LCL	-59.2	16.7	86.4	180.1	233.5
95% UCL	44.2	101.6	185	249.2	278.1

Normality Test Section of Redox when Phase=I,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9564796	0.178960			Accept Normality
Anderson-Darling	0.5185721	0.187800			Accept Normality
Martinez-Iglewicz	0.943529		1.129221	1.196894	Accept Normality
Kolmogorov-Smirnov	7.559136E-02		0.136	0.148	Accept Normality
D'Agostino Skewness	-0.3261	0.744313	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.9897	0.046620	1.645	1.960	Reject Normality
D'Agostino Omnibus	4.0654	0.130979	4.605	5.991	Accept Normality

Plots Section of Redox when Phase=I,Relative_Location=D



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Percentile Section of Redox when Phase=I,Relative_Location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	278.1			
95	263.7			
90	249.44	233.5	278.1	95.4978
85	245.02	190.4	260.1	96.4725
80	240.14	184.7	249.8	96.6778
75	223.9	180.1	249.2	95.0059
70	191.94	130.8	244.9	95.7141
65	184.82	111.6	241.8	96.8023
60	176.38	110.9	223.9	96.0789
55	134.16	101.6	198.1	95.9234
50	117.9	86.4	185	95.9040
45	111.04	68.4	180.1	95.9234
40	105.32	44.2	135	95.9785
35	93.66	39.5	130.8	96.8023
30	70	23.7	110.9	95.5000
25	50.9	16.7	101.6	95.0059
20	40.44	-12.7	86.4	96.1688
15	26.38	-59.2	68.4	96.7432
10	13.26	-59.2	44.2	95.4978
5	-22			
1	-59.2			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Redox when Phase=I,Relative_Location=D

Depth	Stem	Leaves
2	-0*	51
8	0*	012334
13	.	56789
(7)	1*	0111133
15	.	788899
9	2*	2344444
2	.	67

Unit = 10 Example: 1 | 2 Represents 120

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Summary Section of Redox when Phase=I,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	205.85	6.293251	4.45	201.4	210.3	8.9

Counts Section of Redox when Phase=I,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	2	0	2	411.7	84788.05	39.605

Means Section of Redox when Phase=I,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	205.85	205.85	205.8019	205.7538	411.7	201.4
Std Error	4.45				8.9	
95% LCL	149.3074				298.6148	
95% UCL	262.3926				524.7852	
T-Value	46.2584					
Prob Level	0.013760					
Count	2		2	2		1

Variation Section of Redox when Phase=I,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	39.605	6.293251	7.88742	4.45	8.9	8.9
Std Error	3.351105E-07	3.765287E-08		2.66246E-08		
95% LCL	7.883339	2.807729		1.985364		
95% UCL	40328.12	200.8186		142.0002		

Skewness and Kurtosis Section of Redox when Phase=I,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					3.057202E-02	2.161768E-02
Std Error					4.673242E-04	

Trimmed Section of Redox when Phase=I,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	205.85	205.85	205.85	205.85	205.85	205.85
Trim-Std Dev	6.675	7.266819	8.325188			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of Redox when Phase=I,Relative_Location=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.45	4.45	19.8025	0	392.139
Std Error			0	124.6221	0

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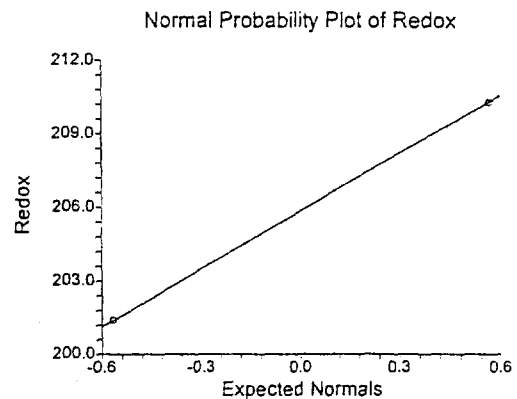
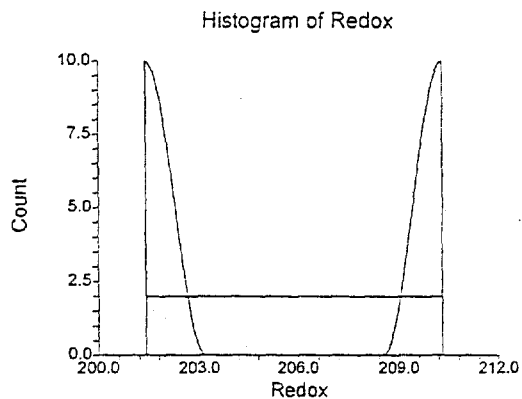
Quartile Section of Redox when Phase=I,Relative_Location=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	201.4	201.4	205.85	210.3	210.3
95% LCL					
95% UCL					

Normality Test Section of Redox when Phase=I,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of Redox when Phase=I,Relative_Location=R



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Percentile Section of Redox when Phase=I,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	210.3			
95	210.3			
90	210.3			
85	210.3			
80	210.3			
75	210.3			
70	210.3			
65	209.855			
60	208.52			
55	207.185			
50	205.85			
45	204.515			
40	203.18			
35	201.845			
30	201.4			
25	201.4			
20	201.4			
15	201.4			
10	201.4			
5	201.4			
1	201.4			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Redox when Phase=I,Relative_Location=R

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Summary Section of Redox when Phase=II,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
95	132.2937	99.01348	10.15857	-45.4	385.2	430.6

Counts Section of Redox when Phase=II,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	95	0	93	12567.9	2584199	921544.9

Means Section of Redox when Phase=II,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	132.2937	113.5	112.7574	164.5269	12567.9	
Std Error	10.15857				965.064	
95% LCL	112.1236	91.6			10651.74	
95% UCL	152.4638	141.6			14484.06	
T-Value	13.0229					
Prob Level	0.000000					
Count	95		89	95		

Variation Section of Redox when Phase=II,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	9803.669	99.01348	99.27716	10.15857	114.5	430.6
Std Error	1437.34	10.26479		1.053145		
95% LCL	7509.629	86.65811		8.890935		
95% UCL	13342.64	115.5103		11.85111		

Skewness and Kurtosis Section of Redox when Phase=II,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.737401	3.042045	0.7492841	0.110263	0.7484369	0.6667285
Std Error	0.1683059	0.4351837			5.514785E-02	

Trimmed Section of Redox when Phase=II,Relative_Location=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	127.8915	124.2013	120.3579	115.8395	114.6544	112.1184
Trim-Std Dev	79.19437	65.12574	52.07362	31.58963	19.718	6.342381
Count	85.5	76	66.5	47.5	28.5	9.5

Mean-Deviation Section of Redox when Phase=II,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	77.4915	75.67368	9700.473	704519.6	2.862539E+08
Std Error	6.119691		1422.21	190403.6	6.406297E+07

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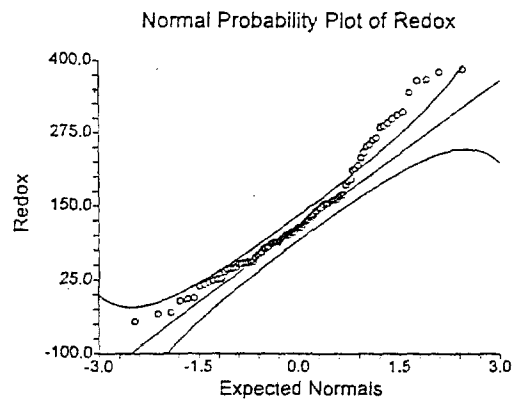
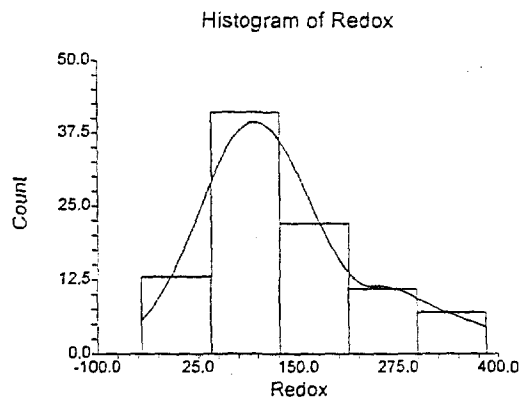
Quartile Section of Redox when Phase=II,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	22.48	55.9	113.5	170.4	289.12
95% LCL	-10.6	44.8	91.6	155.2	242.2
95% UCL	44.9	81.5	141.6	242.2	366.1

Normality Test Section of Redox when Phase=II,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9480267	0.000881			Reject Normality
Anderson-Darling	1.640486	0.000328			Reject Normality
Martinez-Iglewicz	1.079341		1.053529	1.083231	Accept Normality
Kolmogorov-Smirnov	0.1087809		0.083	0.09	Reject Normality
D'Agostino Skewness	2.8634	0.004191	1.645	1.960	Reject Normality
D'Agostino Kurtosis	0.4171	0.676589	1.645	1.960	Accept Normality
D'Agostino Omnibus	8.3731	0.015199	4.605	5.991	Reject Normality

Plots Section of Redox when Phase=II,Relative_Location=D



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Percentile Section of Redox when Phase=II,Relative_Location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	385.2			
95	349.3	287	385.2	97.1814
90	289.12	242.2	366.1	96.2288
85	254.44	193	299.5	95.7400
80	213.74	160.4	267.1	96.0140
75	170.4	155.2	242.2	95.6834
70	159.84	141.6	211.9	95.6880
65	154.06	121.2	168.9	95.7421
60	139	113.5	159.7	95.3983
55	124.08	100.9	153.3	95.0223
50	113.5	91.6	141.6	96.0392
45	101.7	86.3	124.8	96.1088
40	92.88	77.4	113.5	95.3983
35	87.38	55.9	100.9	95.9234
30	76.14	54.1	91.6	95.6880
25	55.9	44.8	81.5	95.2788
20	52.1	26.1	68.7	95.8512
15	44.14	17	54.6	95.7400
10	22.48	-10.6	44.9	96.2288
5	-8.36	-45.4	23.6	97.1814
1	-45.4			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Redox when Phase=II,Relative_Location=D

Depth	Stem	Leaves
1	F	4
3	T	33
6	-0*	100
8	0*	11
13	T	22223
24	F	44445555555
30	S	666777
40	.	888888999
(11)	1*	00000011111
44	T	222333
38	F	4444555555
28	S	66667
23	.	899
20	2*	111
17	T	3
16	F	455
13	S	66
11	.	8899
7	3*	01
High		34, 36, 36, 38, 38

Unit = 10 Example: 1 |2 Represents 120

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Summary Section of Redox when Phase=II,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	219.4072	22.4156	5.990821	184.9	264.9	80

Counts Section of Redox when Phase=II,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	14	0	14	3071.7	680484.9	6531.969

Means Section of Redox when Phase=II,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	219.4072	217.65	218.3474	217.2915	3071.7	184.9
Std Error	5.990821				83.8715	
95% LCL	206.4648	190.2			2890.507	
95% UCL	232.3495	238.2			3252.893	
T-Value	36.6239					
Prob Level	0.000000					
Count	14		14	14		1

Variation Section of Redox when Phase=II,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	502.4592	22.4156	22.85041	5.990821	34.175	80
Std Error	169.2716	5.339723		1.427101		
95% LCL	264.0715	16.25028		4.34307		
95% UCL	1304.112	36.11248		9.651467		

Skewness and Kurtosis Section of Redox when Phase=II,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.1990092	2.588893	0.2237318	-1.640819E-02	0.1021644	7.479242E-02
Std Error	0.340297	0.6508958			1.699309E-02	

Trimmed Section of Redox when Phase=II,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	218.7968	218.6589	219.0398	219.4	218.2476	217.65
Trim-Std Dev	19.12986	16.19679	13.77242	7.025074	2.151488	1.216039
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of Redox when Phase=II,Relative_Location=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	16.43674	16.27857	466.5692	2005.614	563567.9
Std Error	3.595352		157.1808	3835.486	284719.3

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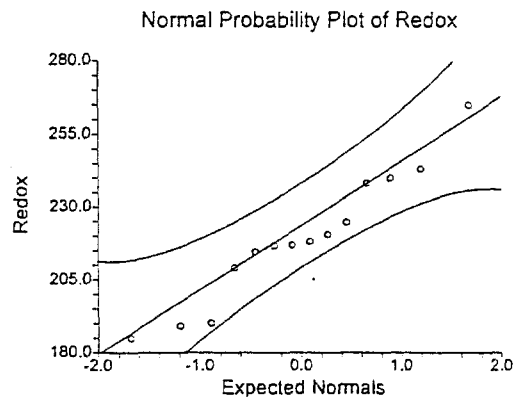
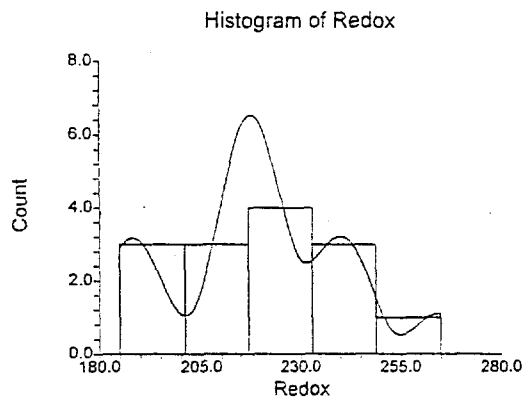
Quartile Section of Redox when Phase=II,Relative_Location=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	187.05	204.45	217.65	238.625	254
95% LCL		184.9	190.2	217	
95% UCL		218.3	238.2	264.9	

Normality Test Section of Redox when Phase=II,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9531499	0.610592			Accept Normality
Anderson-Darling	0.3475468	0.478958			Accept Normality
Martinez-Iglewicz	1.028619		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.1216372		0.208	0.226	Accept Normality
D'Agostino Skewness	0.3942	0.693413	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.2077	0.835453	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.1986	0.905489	4.605	5.991	Accept Normality

Plots Section of Redox when Phase=II,Relative_Location=R



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Percentile Section of Redox when Phase=II,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	264.9			
95	264.9			
90	254			
85	242.3			
80	239.9	217	264.9	95.3622
75	238.625	217	264.9	97.1873
70	231.5	216.8	264.9	98.4929
65	223.75	216.8	243.1	95.5137
60	220.6	214.6	243.1	97.4393
55	218.875	209.2	239.9	97.1563
50	217.65	190.2	238.2	96.4844
45	216.95	190.2	238.2	97.1563
40	216.8	189.2	224.8	97.4393
35	215.15	184.9	220.6	97.3253
30	211.9	184.9	218.3	96.1749
25	204.45	184.9	218.3	97.1873
20	190.2	184.9	218.3	95.3622
15	189.45			
10	187.05			
5	184.9			
1	184.9			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Redox when Phase=II,Relative_Location=R

Depth	Stem	Leaves
2	18	49
3	19	0
4	20	9
(4)	21	4678
6	22	04
4	23	89
2	24	3
1	25	
1	26	4

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of Redox when Phase=II,Relative_Location=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
21	218.2809	116.8324	25.49492	21.6	362.7	341.1

Counts Section of Redox when Phase=II,Relative_Location=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	21	0	21	4583.9	1273574	272996.3

Means Section of Redox when Phase=II,Relative_Location=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	218.2809	239.7	169.5211	108.0323	4583.9	21.6
Std Error	25.49492				535.3934	
95% LCL	165.0995	107.7			3467.089	
95% UCL	271.4624	308.1			5700.711	
T-Value	8.5617					
Prob Level	0.000000					
Count	21		21	21		1

Variation Section of Redox when Phase=II,Relative_Location=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	13649.81	116.8324	118.3014	25.49492	227.7	341.1
Std Error	2648.881	16.03187		3.49844		
95% LCL	7989.448	89.38371		19.50513		
95% UCL	28464.46	168.7141		36.81644		

Skewness and Kurtosis Section of Redox when Phase=II,Relative_Location=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.469754	1.790844	-0.506689	-1.204762	0.5352387	0.3958917
Std Error	0.358273	0.5009556			9.882579E-02	

Trimmed Section of Redox when Phase=II,Relative_Location=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	221.1669	224.3696	228.3959	239.6238	246.5397	242.7381
Trim-Std Dev	108.4483	98.44717	89.03558	58.91056	29.20449	8.856018
Count	18.9	16.8	14.7	10.5	6.3	2.1

Mean-Deviation Section of Redox when Phase=II,Relative_Location=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	97.7551	94.89524	12999.82	-696268.3	3.026444E+08
Std Error	15.32322		2522.744	444251.8	6.966473E+07

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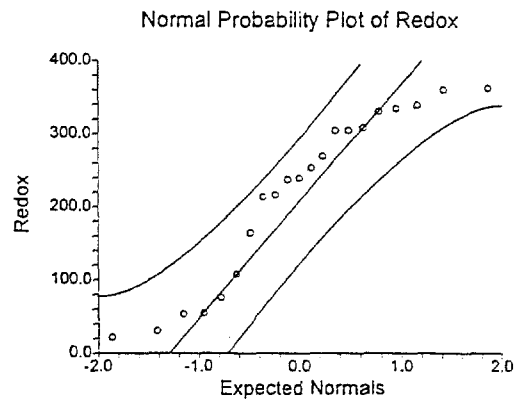
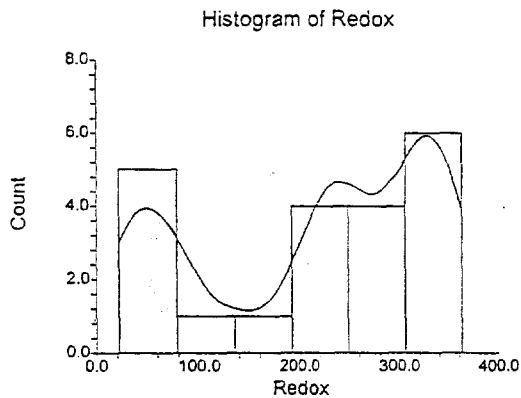
Quartile Section of Redox when Phase=II,Relative_Location=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	35.04	91.75	239.7	319.45	356.26
95% LCL		30.4	107.7	253.4	
95% UCL		237.6	308.1	360.5	

Normality Test Section of Redox when Phase=II,Relative_Location=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8943716	0.027258			Reject Normality
Anderson-Darling	0.8154389	0.035110			Reject Normality
Martinez-Iglewicz	0.9800255		1.206468	1.336919	Accept Normality
Kolmogorov-Smirnov	0.1267742		0.173	0.188	Accept Normality
D'Agostino Skewness	-1.0514	0.293055	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.7833	0.074531	1.645	1.960	Accept Normality
D'Agostino Omnibus	4.2858	0.117312	4.605	5.991	Accept Normality

Plots Section of Redox when Phase=II,Relative_Location=U



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Percentile Section of Redox when Phase=II,Relative_Location=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	362.7			
95	362.48			
90	356.26			
85	337.92	304.6	362.7	95.8731
80	333.14	269.5	362.7	97.6363
75	319.45	253.4	360.5	96.0343
70	306.18	237.6	339.3	96.4130
65	304.69	216.3	334.7	95.6152
60	276.52	213.4	330.8	95.0753
55	255.01	164.8	330.8	97.4230
50	239.7	107.7	308.1	97.3396
45	235.47	75.8	304.9	97.4230
40	215.72	54.5	269.5	95.3751
35	198.82	53.6	253.4	96.0042
30	141.96	30.4	239.7	96.8025
25	91.75	30.4	237.6	96.0343
20	63.02	21.6	216.3	97.6363
15	53.87	21.6	213.4	95.8731
10	35.04			
5	22.48			
1	21.6			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Redox when Phase=II,Relative_Location=U

Depth	Stem	Leaves
2	0*	23
5	.	557
6	1*	0
7	.	6
(4)	2*	1133
10	.	56
8	3*	000333
2	.	66

Unit = 10 Example: 1 |2 Represents 120

Descriptive Statistics Report

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Summary Section of SPC when Phase=I,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	60.62857	10.89275	1.841212	39	82	43

Counts Section of SPC when Phase=I,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	35	0	21	2122	132688	4034.171

Means Section of SPC when Phase=I,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	60.62857	60	59.68142	58.73983	2122	60
Std Error	1.841212				64.44241	
95% LCL	56.88678	55			1991.037	
95% UCL	64.37036	65			2252.963	
T-Value	32.9286					
Prob Level	0.000000					
Count	35		35	35		5

Variation Section of SPC when Phase=I,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	118.6521	10.89275	10.97313	1.841212	17	43
Std Error	22.58701	1.466244		0.2478404		
95% LCL	77.63099	8.810844		1.489305		
95% UCL	203.6817	14.27171		2.412359		

Skewness and Kurtosis Section of SPC when Phase=I,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.2650604	2.268337	0.2770795	-0.6548816	0.1796637	0.1447619
Std Error	0.258417	0.3640538			1.667529E-02	

Trimmed Section of SPC when Phase=I,Relative_Location=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	60.52381	60.23214	60.04082	59.58571	59.35714	59.85714
Trim-Std Dev	9.351702	8.036931	6.97094	4.514263	2.393208	0.6094494
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of SPC when Phase=I,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	8.811429	8.685715	115.262	328.0004	30135.63
Std Error	1.107934		21.94167	302.6804	9223.161

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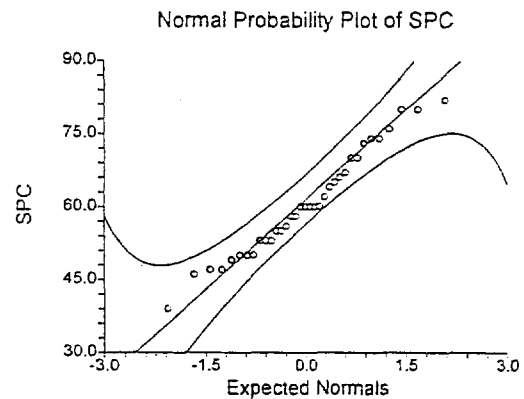
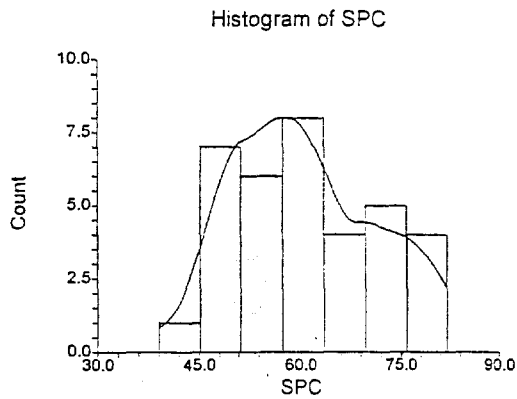
Quartile Section of SPC when Phase=I,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	47	53	60	70	77.6
95% LCL	39	47	55	62	70
95% UCL	50	56	65	76	82

Normality Test Section of SPC when Phase=I,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.970118	0.446499			Accept Normality
Anderson-Darling	0.3763556	0.411398			Accept Normality
Martinez-Iglewicz	0.9420956		1.129221	1.196894	Accept Normality
Kolmogorov-Smirnov	0.1230084		0.136	0.148	Accept Normality
D'Agostino Skewness	0.7303	0.465214	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.9339	0.350370	1.645	1.960	Accept Normality
D'Agostino Omnibus	1.4054	0.495237	4.605	5.991	Accept Normality

Plots Section of SPC when Phase=I,Relative_Location=D



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Percentile Section of SPC when Phase=I,Relative_Location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	82			
95	80.4			
90	77.6	70	82	95.4978
85	74	66	80	96.4725
80	72.4	64	80	96.6778
75	70	62	76	95.0059
70	66.2	60	74	95.7141
65	64.4	60	73	96.8023
60	61.2	58	70	96.0789
55	60	56	67	95.9234
50	60	55	65	95.9040
45	58.4	53	62	95.9234
40	56.8	50	60	95.9785
35	55	50	60	96.8023
30	53	49	58	95.5000
25	53	47	56	95.0059
20	50	46	55	96.1688
15	49.4	39	53	96.7432
10	47	39	50	95.4978
5	44.6			
1	39			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of SPC when Phase=I,Relative_Location=D

Depth	Stem	Leaves
1	3.	9
1	4*	
5	.	6779
11	5*	000333
16	.	55688
(7)	6*	0000024
12	.	567
9	7*	00344
4	.	6
3	8*	002

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of SPC when Phase=I,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	101	31.1127	22	79	123	44

Counts Section of SPC when Phase=I,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	2	0	2	202	21370	968

Means Section of SPC when Phase=I,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	101	101	98.57484	96.20792	202	79
Std Error	22				44	
95% LCL	-178.5365				-357.073	
95% UCL	380.5365				761.073	
T-Value	4.5909					
Prob Level	0.136537					
Count	2		2	2		1

Variation Section of SPC when Phase=I,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	968	31.1127	38.99398	22	44	44
Std Error	0	0		0		
95% LCL	192.6795	13.88091		9.815282		
95% UCL	985674	992.8112		702.0235		

Skewness and Kurtosis Section of SPC when Phase=I,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					0.3080465	0.2178218
Std Error					4.744633E-02	

Trimmed Section of SPC when Phase=I,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	101	101	101	101	101	101
Trim-Std Dev	33	35.92585	41.15823			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of SPC when Phase=I,Relative_Location=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	22	22	484	0	234256
Std Error			0	15058.55	0

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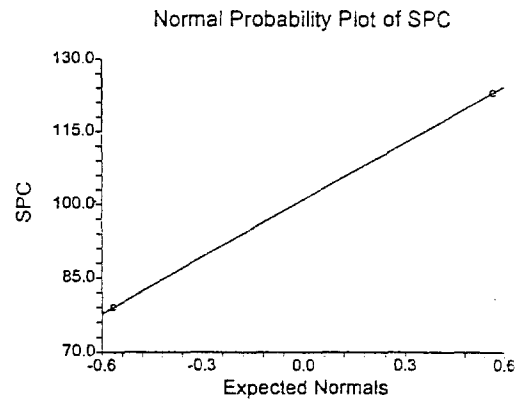
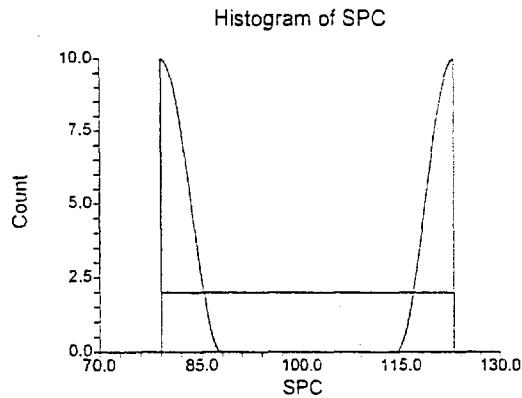
Quartile Section of SPC when Phase=I,Relative_Location=R

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	79	79	101	123	123
95% LCL					
95% UCL					

Normality Test Section of SPC when Phase=I,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of SPC when Phase=I,Relative_Location=R



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Percentile Section of SPC when Phase=I,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	123			
95	123			
90	123			
85	123			
80	123			
75	123			
70	123			
65	120.8			
60	114.2			
55	107.6			
50	101			
45	94.4			
40	87.8			
35	81.2			
30	79			
25	79			
20	79			
15	79			
10	79			
5	79			
1	79			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of SPC when Phase=I,Relative_Location=R

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Summary Section of SPC when Phase=II,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
95	61.88505	10.35333	1.062229	39	87	48

Counts Section of SPC when Phase=II,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	95	0	38	5879.08	373903.2	10075.99

Means Section of SPC when Phase=II,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	61.88505	63	60.97362	60.00779	5879.08	
Std Error	1.062229				100.9118	
95% LCL	59.77597	60			5678.717	
95% UCL	63.99413	67			6079.443	
T-Value	58.2596					
Prob Level	0.000000					
Count	95		95	95		

Variation Section of SPC when Phase=II,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	107.1914	10.35333	10.3809	1.062229	15	48
Std Error	12.9996	0.8878403		0.0910905		
95% LCL	82.10881	9.061391		0.9296791		
95% UCL	145.8858	12.07832		1.239209		

Skewness and Kurtosis Section of SPC when Phase=II,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.306616	2.397216	-0.3115571	-0.5698371	0.1672993	0.1363275
Std Error	0.1856865	0.2719889			1.122966E-02	

Trimmed Section of SPC when Phase=II,Relative_Location=D

Parameter	5%	10%	15%	25%	35%	45%
Trim-Mean	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed
Trim-Mean	62.01263	62.34974	62.68917	63.12105	63.37719	63.23684
Trim-Std Dev	8.73152	7.579314	6.531674	4.640991	3.240063	1.634809
Count	85.5	76	66.5	47.5	28.5	9.5

Mean-Deviation Section of SPC when Phase=II,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	8.62868	8.588632	106.0631	-334.92	26967.17
Std Error	0.6399044		12.86276	187.4388	6070.379

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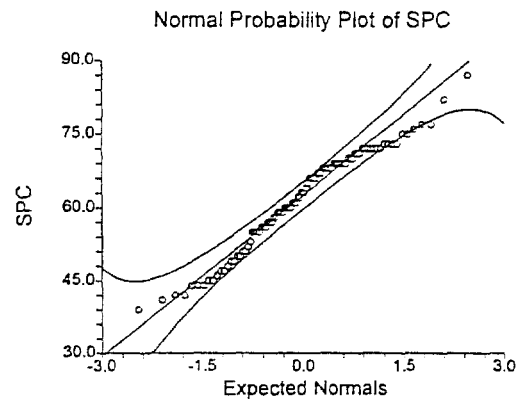
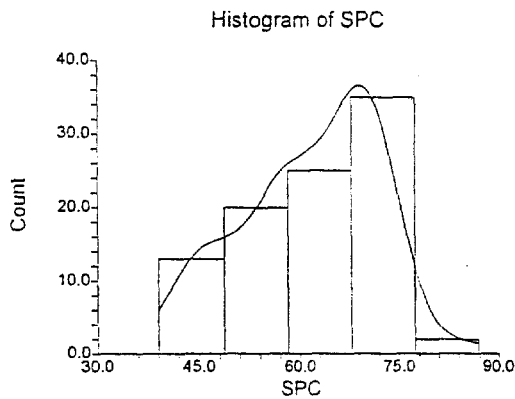
Quartile Section of SPC when Phase=II,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	45.6	55	63	70	73
95% LCL	42	49	60	68	72
95% UCL	50	58	67	72	77

Normality Test Section of SPC when Phase=II,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9675331	0.018456			Reject Normality
Anderson-Darling	1.206949	0.003812			Reject Normality
Martinez-Iglewicz	0.9515381		1.053529	1.083231	Accept Normality
Kolmogorov-Smirnov	0.1071144		0.083	0.09	Reject Normality
D'Agostino Skewness	-1.2788	0.200962	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.4283	0.153216	1.645	1.960	Accept Normality
D'Agostino Omnibus	3.6753	0.159190	4.605	5.991	Accept Normality

Plots Section of SPC when Phase=II,Relative_Location=D



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Percentile Section of SPC when Phase=II,Relative_Location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	87			
95	76.2	73	87	97.1814
90	73	72	77	96.2288
85	72	70	73	95.7400
80	71	69	72	96.0140
75	70	68	72	95.6834
70	69	67	71	95.6880
65	68	66	69	95.7421
60	67	63	69	95.3983
55	66	61	68	95.0223
50	63	60	67	96.0392
45	61	58	66	96.1088
40	60	57	63	95.3983
35	58.6	55	61	95.9234
30	56.8	52	60	95.6880
25	55	49	58	95.2788
20	51.264	47	56	95.8512
15	49	45	55	95.7400
10	45.6	42	50	96.2288
5	43.6	39	46	97.1814
1	39			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of SPC when Phase=II,Relative_Location=D

Depth	Stem	Leaves
1	3.	9
7	4*	122444
15	.	55677899
21	5*	001123
37	.	5555666777889999
(13)	6*	0000111223334
45	.	56666777888888999999
24	7*	0001112222223333
7	.	55677
2	8*	2
1	.	7

Unit = 1 Example: 1 |2 Represents 12

Descriptive Statistics Report

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Summary Section of SPC when Phase=II,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	102.8571	28.95317	7.738059	72	181	109

Counts Section of SPC when Phase=II,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	14	0	11	1440	159012	10897.71

Means Section of SPC when Phase=II,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	102.8571	97.5	99.69305	97.0371	1440	
Std Error	7.738059				108.3328	
95% LCL	86.14008	77			1205.961	
95% UCL	119.5742	105			1674.039	
T-Value	13.2924					
Prob Level	0.000000					
Count	14		14	14		

Variation Section of SPC when Phase=II,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	838.2857	28.95317	29.51479	7.738059	28.25	109
Std Error	437.524	10.6854		2.855794		
95% LCL	440.5679	20.98971		5.609736		
95% UCL	2175.735	46.64478		12.46634		

Skewness and Kurtosis Section of SPC when Phase=II,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.484166	4.813711	1.668541	3.270255	0.2814891	0.2021978
Std Error	0.4995283	2.394482			5.944804E-02	

Trimmed Section of SPC when Phase=II,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	100.2302	98.375	97.30612	96.5	96.7619	97.5
Trim-Std Dev	22.49489	16.88318	13.67264	7.721723	6.313723	8.418729
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of SPC when Phase=II,Relative_Location=R

Parameter	[X-Mean]	[X-Median]	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	19.95918	19.71428	778.4081	32232.46	2916720
Std Error	4.643945		406.2723	20812.23	1897179

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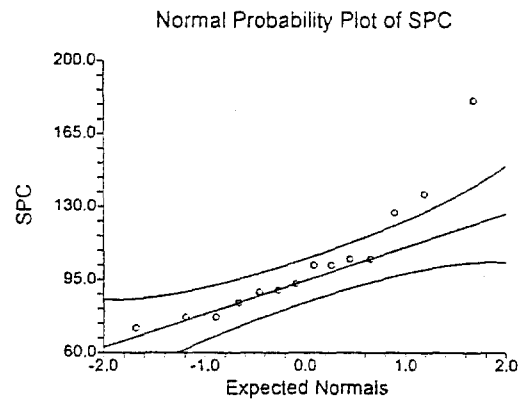
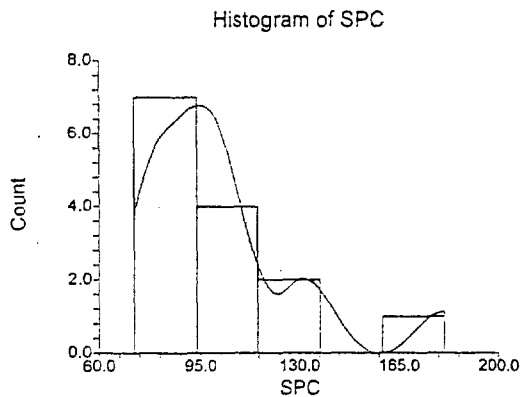
Quartile Section of SPC when Phase=II,Relative_Location=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	74.5	82.25	97.5	110.5	158.5
95% LCL		72	77	93	
95% UCL		102	105	181	

Normality Test Section of SPC when Phase=II,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8449283	0.018967			Reject Normality
Anderson-Darling	0.8167261	0.034854			Reject Normality
Martinez-Iglewicz	1.938865		1.305415	1.57245	Reject Normality
Kolmogorov-Smirnov	0.256215		0.208	0.226	Reject Normality
D'Agostino Skewness	2.6186	0.008828	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.1126	0.034636	1.645	1.960	Reject Normality
D'Agostino Omnibus	11.3203	0.003482	4.605	5.991	Reject Normality

Plots Section of SPC when Phase=II,Relative_Location=R



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Percentile Section of SPC when Phase=II,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	181			
95	181			
90	158.5			
85	133.75			
80	127	93	181	95.3622
75	110.5	93	181	97.1873
70	105	90	181	98.4929
65	104.25	90	136	95.5137
60	102	89	136	97.4393
55	102	84	127	97.1563
50	97.5	77	105	96.4844
45	92.25	77	105	97.1563
40	90	77	105	97.4393
35	89.25	72	102	97.3253
30	86.5	72	102	96.1749
25	82.25	72	102	97.1873
20	77	72	102	95.3622
15	77			
10	74.5			
5	72			
1	72			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of SPC when Phase=II,Relative_Location=R

Depth	Stem	Leaves
3	7	277
5	8	49
7	9	03
7	10	2255
3	11	
3	12	7
2	13	6
High		181

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of SPC when Phase=II,Relative_Location=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
21	82.57143	17.79486	3.883157	60	110	50

Counts Section of SPC when Phase=II,Relative_Location=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	21	0	12	1734	149512	6333.143

Means Section of SPC when Phase=II,Relative_Location=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	82.57143	80	80.81155	79.14758	1734	80
Std Error	3.883157				81.5463	
95% LCL	74.47131	67			1563.897	
95% UCL	90.67155	105			1904.103	
T-Value	21.2640					
Prob Level	0.000000					
Count	21		21	21		4

Variation Section of SPC when Phase=II,Relative_Location=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	316.6571	17.79486	18.0186	3.883157	38.5	50
Std Error	58.56859	2.327315		0.5078617		
95% LCL	185.3443	13.61412		2.970845		
95% UCL	660.3367	25.69702		5.607549		

Skewness and Kurtosis Section of SPC when Phase=II,Relative_Location=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.4338666	1.718407	0.46798	-1.297957	0.2155087	0.1761905
Std Error	0.3546908	0.4886197			1.712391E-02	

Trimmed Section of SPC when Phase=II,Relative_Location=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	82.29894	81.8869	81.25851	79.42857	79.11905	80
Trim-Std Dev	16.73631	15.58457	14.15998	9.899875	4.471307	6.429671E-07
Count	18.9	16.8	14.7	10.5	6.3	2.1

Mean-Deviation Section of SPC when Phase=II,Relative_Location=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	14.70748	14.09524	301.5782	2272.251	156288.1
Std Error	2.333894		55.77961	1535.575	29780.46

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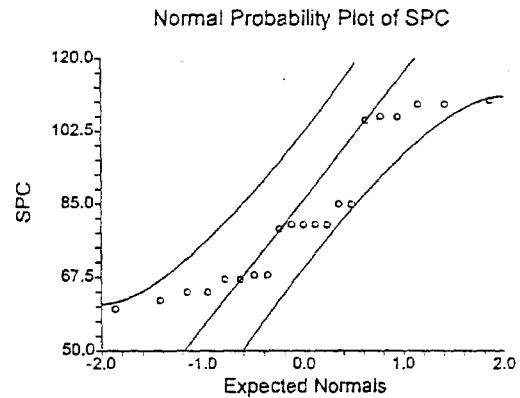
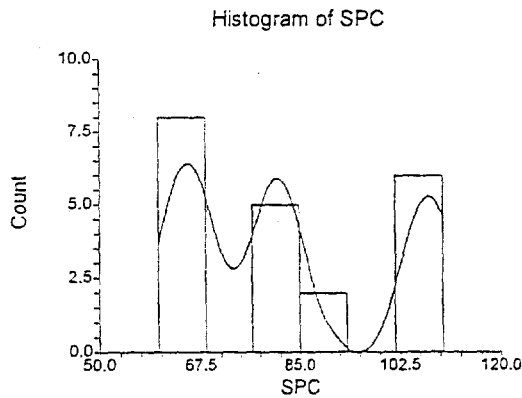
Quartile Section of SPC when Phase=II,Relative_Location=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	62.4	67	80	105.5	109
95% LCL		62	67	80	
95% UCL		80	105	109	

Normality Test Section of SPC when Phase=II,Relative_Location=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8634298	0.007301			Reject Normality
Anderson-Darling	1.140389	0.005558			Reject Normality
Martinez-Iglewicz	0.9550418		1.206468	1.336919	Accept Normality
Kolmogorov-Smirnov	0.1764964		0.173	0.188	Accept Normality
D'Agostino Skewness	0.9741	0.329985	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.0346	0.041887	1.645	1.960	Reject Normality
D'Agostino Omnibus	5.0887	0.078523	4.605	5.991	Accept Normality

Plots Section of SPC when Phase=II,Relative_Location=U



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Percentile Section of SPC when Phase=II,Relative_Location=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	110			
95	109.9			
90	109			
85	108.1	85	110	95.8731
80	106	80	110	97.6363
75	105.5	80	109	96.0343
70	93	80	109	96.4130
65	85	79	106	95.6152
60	81	68	106	95.0753
55	80	68	106	97.4230
50	80	67	105	97.3396
45	79.9	67	85	97.4230
40	76.8	64	80	95.3751
35	68	64	80	96.0042
30	67.6	62	80	96.8025
25	67	62	80	96.0343
20	65.2	60	79	97.6363
15	64	60	68	95.8731
10	62.4			
5	60.2			
1	60			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of SPC when Phase=II,Relative_Location=U

Depth	Stem	Leaves
4	6*	0244
8	.	7788
8	7*	
9	.	9
(4)	8*	0000
8	.	55
6	9*	
6	.	
6	10*	
6	.	56699
1	11*	0

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of TOC when Phase=I,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
16	0.2675	1.612451E-02	4.031129E-03	0.26	0.3	0.04

Counts Section of TOC when Phase=I,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
96	16	0	2	4.28	1.1488	0.0039

Means Section of TOC when Phase=I,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.2675	0.26	0.2670706	0.2666667	4.28	0.26
Std Error	4.031129E-03				6.449806E-02	
95% LCL	0.2589079	0.26			4.142526	
95% UCL	0.2760921	0.26			4.417474	
T-Value	66.3586					
Prob Level	0.000000					
Count	16		16	16		13

Variation Section of TOC when Phase=I,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.00026	1.612451E-02	1.639531E-02	4.031129E-03	0	0.04
Std Error	1.040833E-04	4.564355E-03		1.141089E-03		
95% LCL	1.418781E-04	1.191126E-02		2.977815E-03		
95% UCL	6.227905E-04	2.495577E-02		6.238943E-03		

Skewness and Kurtosis Section of TOC when Phase=I,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.601282	3.564103	1.771925	1.284869	6.027856E-02	2.884615E-02
Std Error	0.8205128	2.627744			1.118584E-02	

Trimmed Section of TOC when Phase=I,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.2661111	0.264375	0.2621429	0.26	0.26	0.26
Trim-Std Dev	1.491824E-02	1.300261E-02	9.437989E-03	1.751212E-09	2.515331E-09	3.847874E-09
Count	14.4	12.8	11.2	8	4.8	1.6

Mean-Deviation Section of TOC when Phase=I,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.0121875	0.0075	2.4375E-04	6.09375E-06	2.117578E-07
Std Error	2.420594E-03		9.757809E-05	5.366795E-07	1.341699E-08

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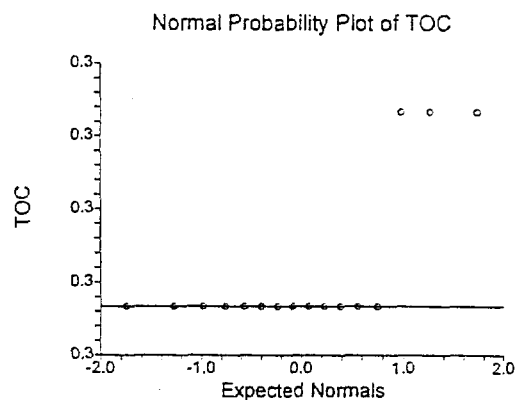
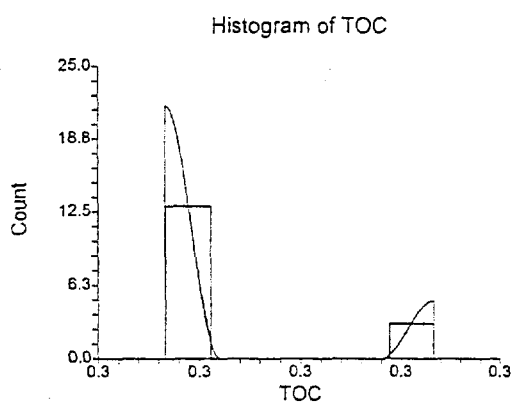
Quartile Section of TOC when Phase=I,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.26	0.26	0.26	0.3
95% LCL		0.26	0.26	0.26	
95% UCL		0.26	0.26	0.3	

Normality Test Section of TOC when Phase=I,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.4842935	0.000002			Reject Normality
Anderson-Darling	4.485448	0.000000			Reject Normality
Martinez-Iglewicz	0		1.267819	1.475586	Accept Normality
Kolmogorov-Smirnov	0.4915809		0.195	0.213	Reject Normality
D'Agostino Skewness	2.8622	0.004207	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.2300	0.218709	1.645	1.960	Accept Normality
D'Agostino Omnibus	9.7048	0.007809	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=I,Status=D



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Percentile Section of TOC when Phase=I,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	0.3			
95	0.3			
90	0.3			
85	0.3			
80	0.284	0.26	0.3	96.4849
75	0.26	0.26	0.3	96.2847
70	0.26	0.26	0.3	97.1003
65	0.26	0.26	0.3	96.7381
60	0.26	0.26	0.3	96.2521
55	0.26	0.26	0.26	95.6935
50	0.26	0.26	0.26	95.0958
45	0.26	0.26	0.26	95.6935
40	0.26	0.26	0.26	96.2521
35	0.26	0.26	0.26	96.7381
30	0.26	0.26	0.26	97.1003
25	0.26	0.26	0.26	96.2847
20	0.26	0.26	0.26	96.4849
15	0.26			
10	0.26			
5	0.26			
1	0.26			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of TOC when Phase=I,Status=D

Depth	Stem	Leaves
(13)	26*	0000000000000
3	.	
3	27*	
3	.	
3	28*	
3	.	
3	29*	
3	.	
3	30*	000

Unit = .001 Example: 1 |2 Represents 0.012

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Summary Section of TOC when Phase=I,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	0.26	0		0.26	0.26	0

Counts Section of TOC when Phase=I,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
96	2	0	1	0.52	0.1352	0

Means Section of TOC when Phase=I,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.26	0.26	0.26	0.26	0.52	0.26
Std Error						
95% LCL					0	
95% UCL					0	
T-Value						
Prob Level						
Count	2		2	2		2

Variation Section of TOC when Phase=I,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0	0	0		0	0
Std Error	0			0		
95% LCL	0	0		0		
95% UCL	0	0		0		

Skewness and Kurtosis Section of TOC when Phase=I,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					0	0
Std Error						

Trimmed Section of TOC when Phase=I,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.26	0.26	0.26	0.26	0.26	0.26
Trim-Std Dev	1.085069E-09	3.321749E-09	1.899569E-09			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of TOC when Phase=I,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0	0	0	0	0
Std Error			0	0	0

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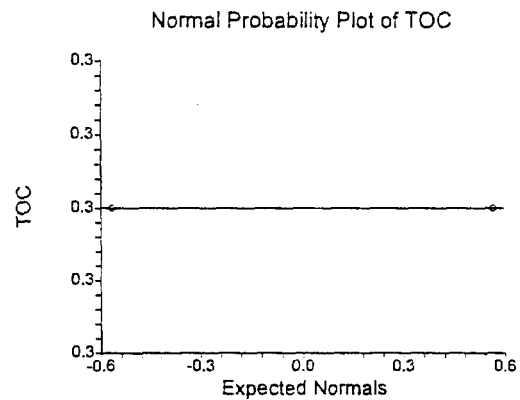
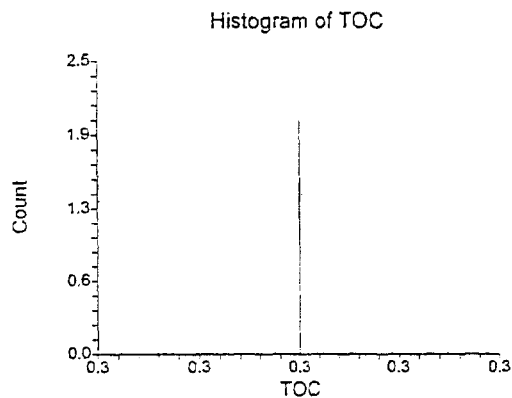
Quartile Section of TOC when Phase=I,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.26	0.26	0.26	0.26
95% LCL					
95% UCL					

Normality Test Section of TOC when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	0		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.4915809		0.437	0.472	Reject Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of TOC when Phase=I,Status=R



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Percentile Section of TOC when Phase=I,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	0.26			
95	0.26			
90	0.26			
85	0.26			
80	0.26			
75	0.26			
70	0.26			
65	0.26			
60	0.26			
55	0.26			
50	0.26			
45	0.26			
40	0.26			
35	0.26			
30	0.26			
25	0.26			
20	0.26			
15	0.26			
10	0.26			
5	0.26			
1	0.26			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TOC when Phase=I,Status=R

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Summary Section of TOC when Phase=II,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
49	0.2281633	0.1384388	1.977697E-02	0.1	0.67	0.57

Counts Section of TOC when Phase=II,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
96	49	0	11	11.18	3.4708	0.9199347

Means Section of TOC when Phase=II,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.2281633	0.17	0.2035381	0.1884877	11.18	0.17
Std Error	1.977697E-02				0.9690717	
95% LCL	0.188399	0.17			9.231551	
95% UCL	0.2679275	0.17			13.12845	
T-Value	11.5368					
Prob Level	0.000000					
Count	49		49	49		31

Variation Section of TOC when Phase=II,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.916531E-02	0.1384388	0.1391617	1.977697E-02	0.09	0.57
Std Error	6.847359E-03	3.497439E-02		4.996342E-03		
95% LCL	1.332802E-02	0.1154471		1.649244E-02		
95% UCL	2.991219E-02	0.1729514		2.470735E-02		

Skewness and Kurtosis Section of TOC when Phase=II,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.318175	7.254761	2.392032	4.856349	0.6067533	0.392557
Std Error	0.5677158	3.173862			0.0632337	

Trimmed Section of TOC when Phase=II,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.2115986	0.1925	0.1883236	0.1776531	0.17	0.17
Trim-Std Dev	9.892254E-02	4.108955E-02	3.536537E-02	2.263499E-02	1.631271E-09	3.18762E-09
Count	44.1	39.2	34.3	24.5	14.7	4.9

Mean-Deviation Section of TOC when Phase=II,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	8.962099E-02	6.673469E-02	1.877418E-02	5.963313E-03	2.557084E-03
Std Error	1.190667E-02		6.707617E-03	1.859554E-03	7.856793E-04

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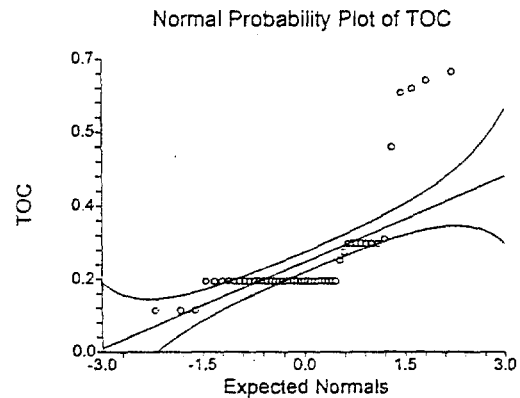
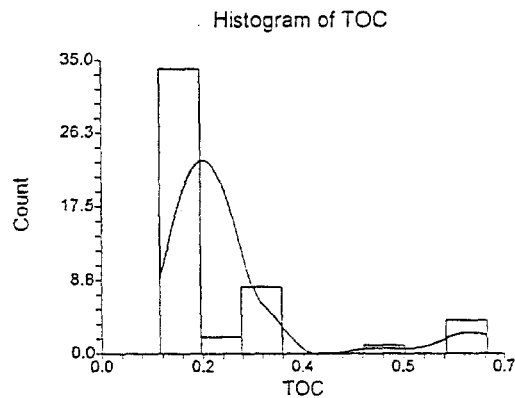
Quartile Section of TOC when Phase=II,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.17	0.17	0.17	0.26	0.49
95% LCL	0.1	0.17	0.17	0.17	0.26
95% UCL	0.17	0.17	0.17	0.26	0.67

Normality Test Section of TOC when Phase=II,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.5809188	0.000000			Reject Normality
Anderson-Darling	8.886402	0.000000			Reject Normality
Martinez-Iglewicz	0		1.095797	1.149031	Accept Normality
Kolmogorov-Smirnov	0.3566849		0.115	0.125	Reject Normality
D'Agostino Skewness	5.0348	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.4025	0.000668	1.645	1.960	Reject Normality
D'Agostino Omnibus	36.9267	0.000000	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=II,Status=D



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	0.67			
95	0.64			
90	0.49	0.26	0.67	97.2772
85	0.26	0.26	0.63	95.8232
80	0.26	0.17	0.49	95.2983
75	0.26	0.17	0.26	95.3885
70	0.22	0.17	0.26	95.8340
65	0.17	0.17	0.26	96.4628
60	0.17	0.17	0.26	95.9812
55	0.17	0.17	0.17	95.5051
50	0.17	0.17	0.17	95.5616
45	0.17	0.17	0.17	95.5051
40	0.17	0.17	0.17	95.9812
35	0.17	0.17	0.17	96.4628
30	0.17	0.17	0.17	95.2738
25	0.17	0.17	0.17	95.3885
20	0.17	0.17	0.17	96.7749
15	0.17	0.1	0.17	95.8232
10	0.17	0.1	0.17	97.2772
5	0.1			
1	0.1			

[illegible]

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of TOC when Phase=II,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
10	0.3478	0.1704483	5.390048E-02	0.17	0.659	0.489

Counts Section of TOC when Phase=II,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
96	10	0	6	3.478	1.471122	0.2614735

Means Section of TOC when Phase=II,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.3478	0.26	0.3136452	0.2848963	3.478	0.26
Std Error	5.390048E-02				0.5390049	
95% LCL	0.2258686	0.17			2.258686	
95% UCL	0.4897314	0.57			4.697314	
T-Value	6.4526					
Prob Level	0.000118					
Count	10		10	10		4

Variation Section of TOC when Phase=II,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2.905262E-02	0.1704483	0.1752395	5.390048E-02	0.2725	0.489
Std Error	9.703092E-03	4.025339E-02		1.272924E-02		
95% LCL	0.0137453	0.1172403		3.707465E-02		
95% UCL	0.0968281	0.3111722		9.840127E-02		

Skewness and Kurtosis Section of TOC when Phase=II,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.7111017	2.115449	0.8432629	-0.5994743	0.4900756	0.4761539
Std Error	0.5691512	1.040414			6.283848E-02	

Trimmed Section of TOC when Phase=II,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.3403889	0.331125	0.3255714	0.3068	0.2798333	0.26
Trim-Std Dev	0.156824	0.1366909	0.1218358	8.611011E-02	5.431582E-02	
Count	9	8	7	5	3	1

Mean-Deviation Section of TOC when Phase=II,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.14136	0.1238	2.614736E-02	3.006585E-03	1.446299E-03
Std Error	3.229112E-02		8.732784E-03	1.874668E-03	6.116023E-04

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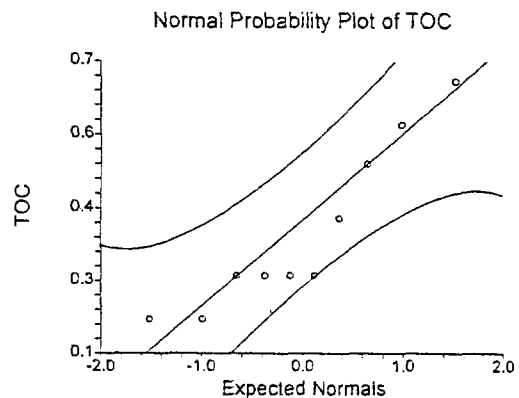
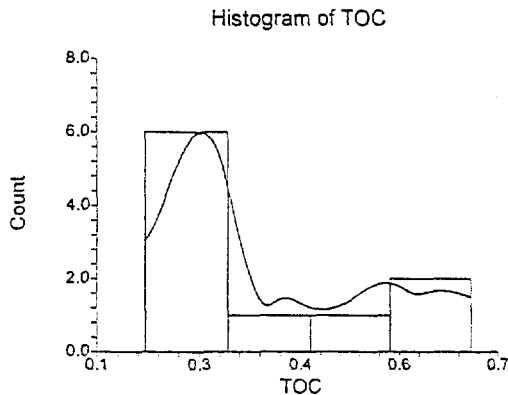
Quartile Section of TOC when Phase=II,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.17	0.2375	0.26	0.51	0.6501
95% LCL			0.17		
95% UCL			0.57		

Normality Test Section of TOC when Phase=II,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8667055	0.091488			Accept Normality
Anderson-Darling	0.6919473	0.070812			Accept Normality
Martinez-Iglewicz	1.19584		1.430911	1.961897	Accept Normality
Kolmogorov-Smirnov	0.2967627		0.241	0.262	Reject Normality
D'Agostino Skewness	1.2493	0.211554	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.3286	0.742489	1.645	1.960	Accept Normality
D'Agostino Omnibus	1.6687	0.434154	4.605	5.991	Accept Normality

Plots Section of TOC when Phase=II,Status=R



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Percentile Section of TOC when Phase=II,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	0.659			
95	0.659			
90	0.6501			
85	0.60115			
80	0.554			
75	0.51			
70	0.4567	0.26	0.659	96.1160
65	0.39565	0.26	0.659	96.0513
60	0.3314	0.26	0.659	98.1659
55	0.26595	0.17	0.57	97.2241
50	0.26	0.17	0.57	98.8281
45	0.26	0.17	0.49	97.0075
40	0.26	0.17	0.49	98.1659
35	0.26	0.17	0.379	96.0513
30	0.26	0.17	0.379	96.1160
25	0.2375			
20	0.188			
15	0.17			
10	0.17			
5	0.17			
1	0.17			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TOC when Phase=II,Status=R

Depth	Stem	Leaves
2	1	77
(4)	2	6666
4	3	7
3	4	9
2	5	7
1	6	5

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of TOC when Phase=II,Status=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
18	0.8168889	0.7673091	0.1808565	0.17	3.6	3.43

Counts Section of TOC when Phase=II,Status=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
96	18	0	16	14.704	22.02051	10.00898

Means Section of TOC when Phase=II,Status=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.8168889	0.777	0.6052836	0.447363	14.704	0.17
Std Error	0.1808565				3.255417	
95% LCL	0.435315	0.26			7.835671	
95% UCL	1.198463	0.936			21.57233	
T-Value	4.5168					
Prob Level	0.000305					
Count	18		18	18		3

Variation Section of TOC when Phase=II,Status=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.5887633	0.7673091	0.7786699	0.1808565	0.6545	3.43
Std Error	0.4370016	0.4027149		9.492081E-02		
95% LCL	0.3315217	0.5757793		0.1357125		
95% UCL	1.323206	1.150307		0.2711299		

Skewness and Kurtosis Section of TOC when Phase=II,Status=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.748796	10.91647	3.005268	11.07925	0.9393066	0.5286715
Std Error	0.8971726	8.073771			0.1984167	

Trimmed Section of TOC when Phase=II,Status=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.6982099	0.6776389	0.6891111	0.7261111	0.7484815	0.777
Trim-Std Dev	0.4000862	0.2791364	0.2425839	0.1629647	9.892231E-02	0.0045
Count	16.2	14.4	12.6	9	5.4	1.8

Mean-Deviation Section of TOC when Phase=II,Status=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4148766	0.4107778	0.5560542	1.139773	3.375333
Std Error	0.1086467		0.4127238	0.907382	2.536044

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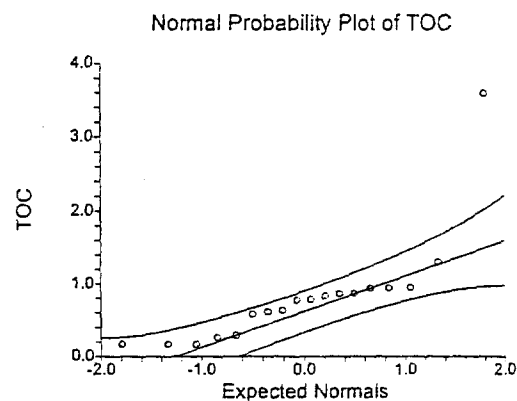
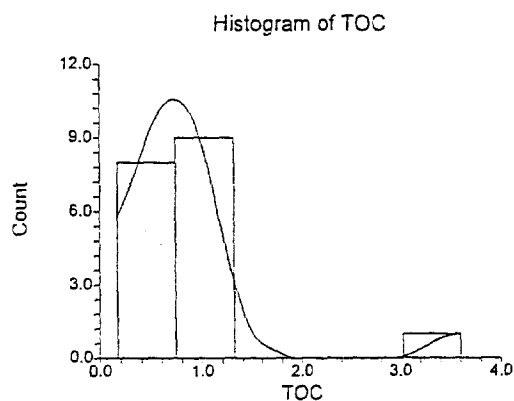
Quartile Section of TOC when Phase=II,Status=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.17	0.2825	0.777	0.937	1.53
95% LCL		0.17	0.26	0.78	
95% UCL		0.774	0.936	3.6	

Normality Test Section of TOC when Phase=II,Status=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6477272	0.000021			Reject Normality
Anderson-Darling	2.055681	0.000032			Reject Normality
Martinez-Iglewicz	4.016806		1.23901	1.407478	Reject Normality
Kolmogorov-Smirnov	0.3220764		0.185	0.202	Reject Normality
D'Agostino Skewness	4.2616	0.000020	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.8697	0.000109	1.645	1.960	Reject Normality
D'Agostino Omnibus	33.1359	0.000000	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=II,Status=U



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Percentile Section of TOC when Phase=II,Status=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	3.6			
95	3.6			
90	1.53			
85	0.9991			
80	0.9412	0.826	3.6	96.5705
75	0.937	0.78	3.6	97.5015
70	0.8835	0.774	1.3	96.4842
65	0.86035	0.63	0.946	95.5152
60	0.8396	0.577	0.94	96.1468
55	0.8007	0.29	0.936	95.4025
50	0.777	0.26	0.936	98.0789
45	0.7092	0.26	0.861	96.9728
40	0.6236	0.17	0.86	97.1492
35	0.60105	0.17	0.826	95.5152
30	0.4909	0.17	0.78	96.4842
25	0.2825	0.17	0.774	97.5015
20	0.242	0.17	0.63	96.5705
15	0.17			
10	0.17			
5	0.17			
1	0.17			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TOC when Phase=II,Status=U

Depth	Stem	Leaves
3	0*	111
5	T	22
6	F	5
(4)	S	6677
8	.	888999
2	1*	
2	T	3
High		36

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Summary Section of TDS when Phase=I,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	43.07143	13.65771	3.650176	26	76	50

Counts Section of TDS when Phase=I,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
78	14	0	12	603	28397	2424.923

Means Section of TDS when Phase=I,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	43.07143	39	41.24244	39.58929	603	
Std Error	3.650176				51.10246	
95% LCL	35.1857	30			492.5999	
95% UCL	50.95715	53			713.4001	
T-Value	11.7998					
Prob Level	0.000000					
Count	14		14	14		

Variation Section of TDS when Phase=I,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	186.533	13.65771	13.92264	3.650176	20.75	50
Std Error	76.85611	3.979107		1.063461		
95% LCL	98.03393	9.901209		2.646209		
95% UCL	484.1384	22.00315		5.880588		

Skewness and Kurtosis Section of TDS when Phase=I,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.9119244	3.376696	1.025211	1.147392	0.3170944	0.2619048
Std Error	0.4093591	1.084907			0.0541913	

Trimmed Section of TDS when Phase=I,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	42.19048	41.73214	41.67347	41.07143	40.09524	39
Trim-Std Dev	11.1886	9.24289	8.27067	5.751294	3.160395	1.870829
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of TDS when Phase=I,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	10.65306	10.21429	173.2092	2078.812	101305.7
Std Error	2.190629		71.36639	1511.154	64126.51

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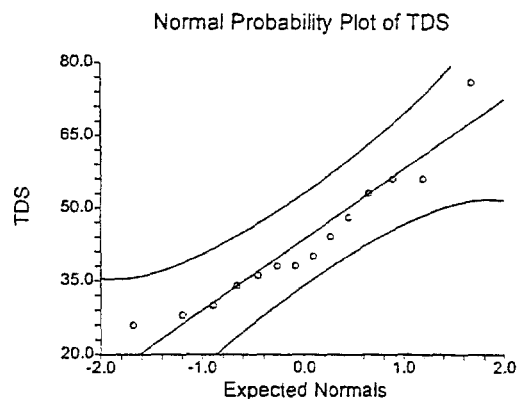
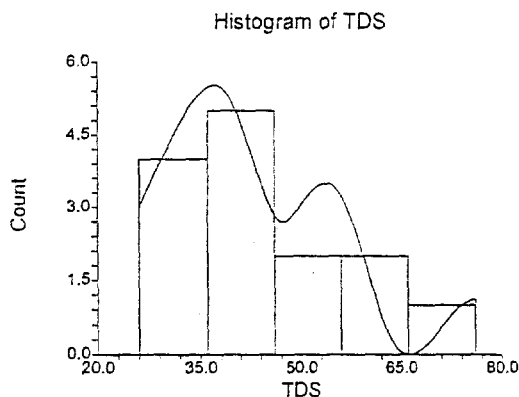
Quartile Section of TDS when Phase=I,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	27	33	39	53.75	66
95% LCL		26	30	38	
95% UCL		40	53	76	

Normality Test Section of TDS when Phase=I,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9239154	0.250233			Accept Normality
Anderson-Darling	0.3991402	0.364192			Accept Normality
Martinez-Iglewicz	1.218784		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.1603946		0.208	0.226	Accept Normality
D'Agostino Skewness	1.7200	0.085436	1.645	1.960	Accept Normality
D'Agostino Kurtosis	1.0980	0.272225	1.645	1.960	Accept Normality
D'Agostino Omnibus	4.1638	0.124691	4.605	5.991	Accept Normality

Plots Section of TDS when Phase=I,Status=D



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Percentile Section of TDS when Phase=I,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	76			
95	76			
90	66			
85	56			
80	56	38	76	95.3622
75	53.75	38	76	97.1873
70	50.5	38	76	98.4929
65	47	38	56	95.5137
60	44	36	56	97.4393
55	41	34	56	97.1563
50	39	30	53	96.4844
45	38	30	53	97.1563
40	38	28	48	97.4393
35	36.5	26	44	97.3253
30	35	26	40	96.1749
25	33	26	40	97.1873
20	30	26	40	95.3622
15	28.5			
10	27			
5	26			
1	26			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=I,Status=D

Depth	Stem	Leaves
2	2.	68
4	3*	04
7	.	688
7	4*	04
5	.	8
4	5*	3
3	.	66
1	6*	
1	.	
1	7*	
1	.	6

Unit = 1 Example: 1 | 2 Represents 12

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Summary Section of TDS when Phase=I,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	65	21.2132	15	50	80	30

Counts Section of TDS when Phase=I,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
78	2	0	2	130	8900	450

Means Section of TDS when Phase=I,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	65	65	63.24555	61.53846	130	50
Std Error	15				30	
95% LCL	-125.5931				-251.1861	
95% UCL	255.5931				511.1862	
T-Value	4.3333					
Prob Level	0.144385					
Count	2		2	2		1

Variation Section of TDS when Phase=I,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	450	21.2132	26.58681	15	30	30
Std Error	0	0		0		
95% LCL	89.57209	9.464253		6.692238		
95% UCL	458216.2	676.9167		478.6524		

Skewness and Kurtosis Section of TDS when Phase=I,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					0.326357	0.2307692
Std Error					5.325444E-02	

Trimmed Section of TDS when Phase=I,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	65	65	65	65	65	65
Trim-Std Dev	22.5	24.4949	28.06243			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of TDS when Phase=I,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	15	15	225	0	50625
Std Error			0	4772.971	0

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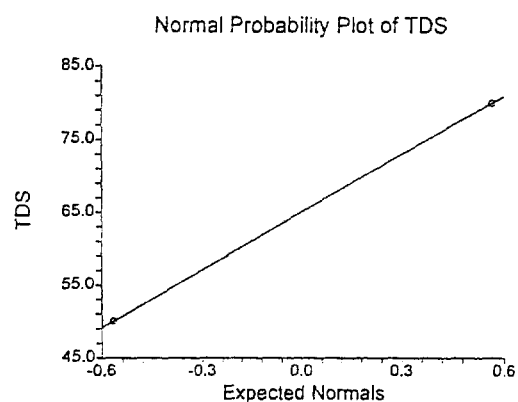
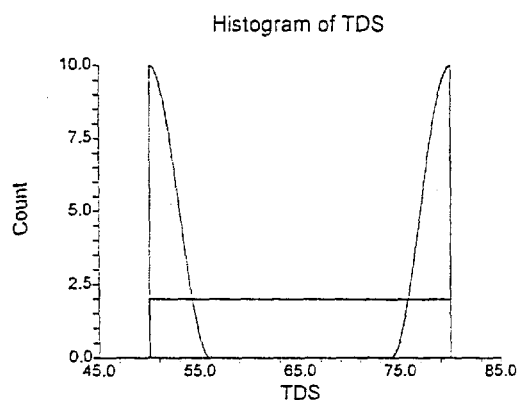
Quartile Section of TDS when Phase=I,Status=R

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	50	50	65	80	80
95% LCL					
95% UCL					

Normality Test Section of TDS when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of TDS when Phase=I,Status=R



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Percentile Section of TDS when Phase=I,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	80			
95	80			
90	80			
85	80			
80	80			
75	80			
70	80			
65	78.5			
60	74			
55	69.5			
50	65			
45	60.5			
40	56			
35	51.5			
30	50			
25	50			
20	50			
15	50			
10	50			
5	50			
1	50			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=I,Status=R

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Summary Section of TDS when Phase=II,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
42	49.37321	18.51605	2.857088	2.475	132	129.525

Counts Section of TDS when Phase=II,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
78	42	0	29	2073.675	116440.6	14056.61

Means Section of TDS when Phase=II,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	49.37321	49	44.55175	31.54395	2073.675	49
Std Error	2.857088				119.9977	
95% LCL	43.60321	45			1831.335	
95% UCL	55.14322	51.8			2316.015	
T-Value	17.2810					
Prob Level	0.000000					
Count	42		42	42		6

Variation Section of TDS when Phase=II,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	342.844	18.51605	18.62928	2.857088	9	129.525
Std Error	173.6002	6.629593		1.022968		
95% LCL	232.1082	15.2351		2.350827		
95% UCL	557.4806	23.61103		3.643261		

Skewness and Kurtosis Section of TDS when Phase=II,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.539454	11.76853	1.597068	10.06726	0.3750221	0.2038508
Std Error	1.029424	3.698708			8.697439E-02	

Trimmed Section of TDS when Phase=II,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	48.80423	48.97976	48.90136	49.1381	49.48333	49.26905
Trim-Std Dev	8.828732	5.673299	4.002393	2.669452	1.370046	0.5199087
Count	37.8	33.6	29.4	21	12.6	4.2

Mean-Deviation Section of TDS when Phase=II,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	10.00646	9.98869	334.6811	9425.697	1318210
Std Error	1.719738		169.4668	11481.55	1033124

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Database C:\Program Files\NCSS97\Data\FS12-GW-TDS.S0

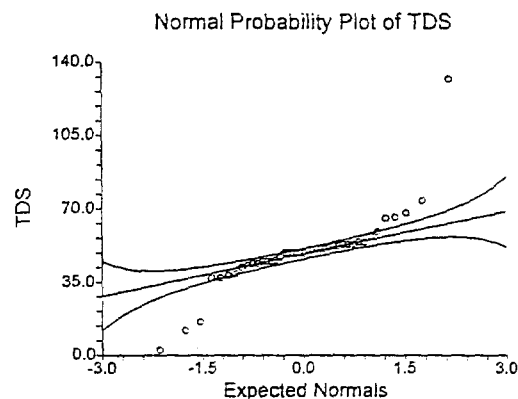
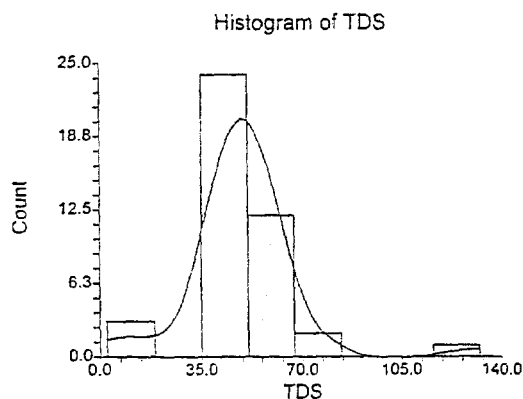
Quartile Section of TDS when Phase=II,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	37	44	49	53	65.82
95% LCL	2.475	37	45	51	54
95% UCL	43	49	51.8	65.4	132

Normality Test Section of TDS when Phase=II,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.763322	0.000001			Reject Normality
Anderson-Darling	3.244192	0.000000			Reject Normality
Martinez-Iglewicz	5.580664		1.109805	1.168068	Reject Normality
Kolmogorov-Smirnov	0.2325866		0.124	0.135	Reject Normality
D'Agostino Skewness	3.6774	0.000236	1.645	1.960	Reject Normality
D'Agostino Kurtosis	4.3059	0.000017	1.645	1.960	Reject Normality
D'Agostino Omnibus	32.0641	0.000000	4.605	5.991	Reject Normality

Plots Section of TDS when Phase=II,Status=D



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Percentile Section of TDS when Phase=II,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	132			
95	73.1			
90	65.82	54	132	96.6939
85	58.1	53	74	97.3080
80	54.04	51.8	66	96.6178
75	53	51	65.4	96.9404
70	52.1	50.3	57	95.8149
65	51.76	49	54	96.5550
60	51	49	53	96.0528
55	50.195	49	52	95.7468
50	49	45	51.8	96.8461
45	49	44.8	51	96.9859
40	49	44	50	95.3650
35	45.575	42	49	96.0238
30	44.98	39	49	95.8149
25	44	37	49	96.9404
20	42.6	16	45	96.4686
15	38.615	12	44.8	97.3080
10	37	2.475	43	96.6939
5	12.6			
1	2.475			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=II,Status=D

Depth	Stem	Leaves
Low		2, 12, 16
7	3.	7789
12	4*	23444
(10)	.	5557999999
20	5*	0011112233344
7	.	79
5	6*	
5	.	56
High		68, 74, 132

Unit = 1 Example: 1 | 2 Represents 12

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Summary Section of TDS when Phase=II,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
10	78.28	25.50467	8.065287	48	134	86

Counts Section of TDS when Phase=II,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
78	10	0	10	782.8	67131.98	5854.396

Means Section of TDS when Phase=II,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	78.28	73.05	75.04597	72.26585	782.8	48
Std Error	8.065287				80.65286	
95% LCL	60.03505	48			600.3505	
95% UCL	96.52495	109			965.2495	
T-Value	9.7058					
Prob Level	0.000005					
Count	10		10	10		1

Variation Section of TDS when Phase=II,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	650.4885	25.50467	26.22159	8.065287	25.575	86
Std Error	317.5475	8.803875		2.78403		
95% LCL	307.7573	17.54301		5.547588		
95% UCL	2167.982	46.5616		14.72407		

Skewness and Kurtosis Section of TDS when Phase=II,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.131831	3.383078	1.342186	1.641512	0.3258134	0.2403833
Std Error	0.5908294	2.051911			6.020646E-02	

Trimmed Section of TDS when Phase=II,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	76.86667	75.1	73.68571	71.95	72.46667	73.05
Trim-Std Dev	21.86784	15.81997	13.31596	7.999414	6.940341	
Count	9	8	7	5	3	1

Mean-Deviation Section of TDS when Phase=II,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	17.996	17.56	585.4396	16032.62	1159514
Std Error	4.831814		285.7927	7973.543	603344.6

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Database C:\Program Files\NCSS97\Data\FS12-GW-TDS.S0

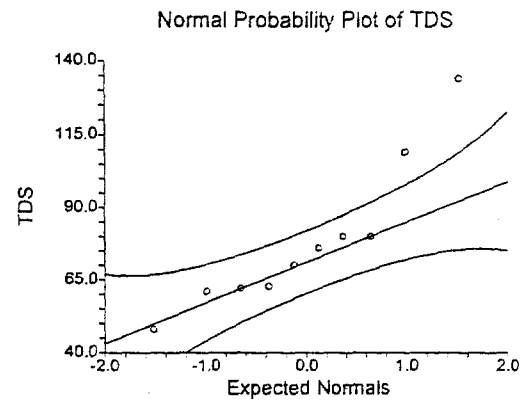
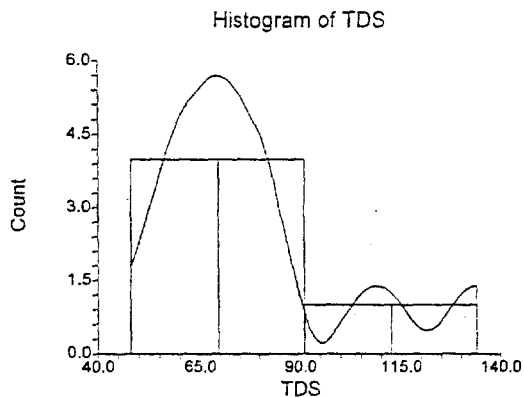
Quartile Section of TDS when Phase=II,Status=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	49.3	61.75	73.05	87.325	131.5
95% LCL			48		
95% UCL			109		

Normality Test Section of TDS when Phase=II,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8705685	0.101502			Accept Normality
Anderson-Darling	0.6704985	0.079993			Accept Normality
Martinez-Iglewicz	1.542181		1.430911	1.961897	Accept Normality
Kolmogorov-Smirnov	0.2715558		0.241	0.262	Reject Normality
D'Agostino Skewness	1.9376	0.052669	1.645	1.960	Accept Normality
D'Agostino Kurtosis	1.2477	0.212127	1.645	1.960	Accept Normality
D'Agostino Omnibus	5.3112	0.070255	4.605	5.991	Accept Normality

Plots Section of TDS when Phase=II,Status=R



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Percentile Section of TDS when Phase=II,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	134			
95	134			
90	131.5			
85	117.75			
80	103.22			
75	87.325			
70	80.07	62.6	134	96.1160
65	80.015	62.6	134	96.0513
60	78.44	62	134	98.1659
55	76.295	61	109	97.2241
50	73.05	48	109	98.8281
45	69.63	48	80.1	97.0075
40	65.56	48	80.1	98.1659
35	62.51	48	80	96.0513
30	62.18	48	80	96.1160
25	61.75			
20	61.2			
15	56.45			
10	49.3			
5	48			
1	48			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=II,Status=R

Depth	Stem	Leaves
1	4.	8
1	5*	
1	.	
4	6*	122
4	.	
5	7*	0
5	.	6
4	8*	00
High		109, 134

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of TDS when Phase=II,Status=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
10	55.81	23.96754	7.579203	15	85	70

Counts Section of TDS when Phase=II,Status=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
78	10	0	10	558.1	36317.55	5169.989

Means Section of TDS when Phase=II,Status=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	55.81	54.5	49.75181	42.25146	558.1	15
Std Error	7.579203				75.79203	
95% LCL	38.66465	15			386.6465	
95% UCL	72.95535	81			729.5535	
T-Value	7.3636					
Prob Level	0.000043					
Count	10		10	10		1

Variation Section of TDS when Phase=II,Status=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	574.4432	23.96754	24.64125	7.579203	42.125	70
Std Error	173.5094	5.118992		1.618768		
95% LCL	271.779	16.48572		5.213243		
95% UCL	1914.535	43.75539		13.83667		

Skewness and Kurtosis Section of TDS when Phase=II,Status=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.3109823	1.91233	-0.3687796	-0.9585598	0.4294489	0.3517431
Std Error	0.4408217	0.4925862			9.800132E-02	

Trimmed Section of TDS when Phase=II,Status=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	56.45555	57.2625	57.76429	57.92	56.26667	54.5
Trim-Std Dev	22.10057	19.40397	17.69621	13.6809	9.870072	
Count	9	8	7	5	3	1

Mean-Deviation Section of TDS when Phase=II,Status=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	19.17	19.17	516.9989	-3655.696	511142.6
Std Error	4.540607		156.1585	5299.104	218811.1

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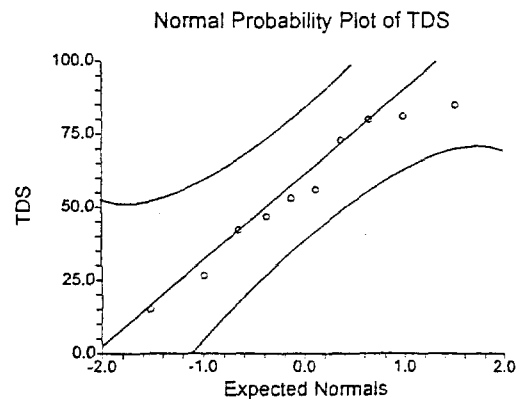
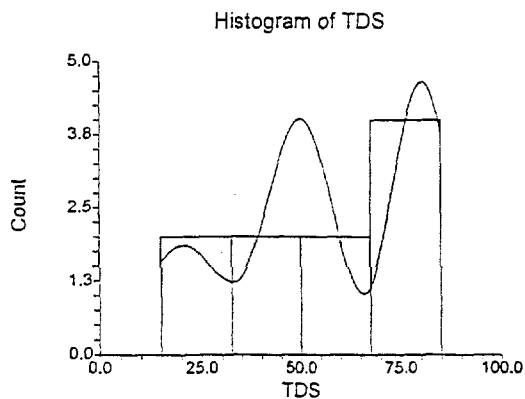
Quartile Section of TDS when Phase=II,Status=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	16.15	38.125	54.5	80.25	84.6
95% LCL			15		
95% UCL			81		

Normality Test Section of TDS when Phase=II,Status=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9362108	0.511669			Accept Normality
Anderson-Darling	0.3012188	0.579109			Accept Normality
Martinez-Iglewicz	1.042269		1.430911	1.961897	Accept Normality
Kolmogorov-Smirnov	0.1116316		0.241	0.262	Accept Normality
D'Agostino Skewness	-0.5546	0.579194	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-0.7042	0.481305	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.8034	0.669167	4.605	5.991	Accept Normality

Plots Section of TDS when Phase=II,Status=U



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Percentile Section of TDS when Phase=II,Status=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	85			
95	85			
90	84.6			
85	82.4			
80	80.8			
75	80.25			
70	77.87	46.7	85	96.1160
65	73.965	46.7	85	96.0513
60	66.14	42	85	98.1659
55	56.845	26.5	81	97.2241
50	54.5	15	81	98.8281
45	52.685	15	80	97.0075
40	49.22	15	80	98.1659
35	45.995	15	72.9	96.0513
30	43.41	15	72.9	96.1160
25	38.125			
20	29.6			
15	22.475			
10	16.15			
5	15			
1	15			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=II,Status=U

Depth	Stem	Leaves
1	1	5
2	2	6
2	3	
4	4	26
(2)	5	36
4	6	
4	7	2
3	8	015

Unit = 1 Example: 1 |2 Represents 12

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Summary Section of Sus_Solids when Phase=I,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
16	22.66438	47.54432	11.88608	1.27	163	161.73

Counts Section of Sus_Solids when Phase=I,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
101	16	0	8	362.63	42125.71	33906.93

Means Section of Sus_Solids when Phase=I,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Trimmed Mean	Mode
Value	22.66438	1.27	3.5	2.63	2.63	1.27
Std Error	11.88608			0.1773	0.1773	
95% LCL	-2.670204	1.27		2.72327	2.72327	
95% UCL	47.99895	5		17.9833	17.9833	
T-Value	1.9068					
Prob Level	0.075886					
Count	16		16			9

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Variation Section of Sus_Solids when Phase=I,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2260.462	47.54432	48.34277	11.88608	4.48	161.73
Std Error	1266.967	18.84307		4.710767		
95% LCL	1233.5	35.12122		8.780305		
95% UCL	5414.594	73.58392		18.39598		

Skewness and Kurtosis Section of Sus_Solids when Phase=I,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.078701	6.026387	2.300221	4.734773	2.097756	16.84596
Std Error	0.8849564	4.030976			0.564838	

Trimmed Section of Sus_Solids when Phase=I,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	16.05653	10.74984	5.980536	1.81875	1.34125	1.27
Trim-Std Dev	35.78202	26.15952	17.04049	1.298443	0.1661424	1.416254E-08
Count	14.4	12.8	11.2	8	4.8	1.6

Mean-Deviation Section of Sus_Solids when Phase=I,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	33.62586	21.39437	2119.183	202789.2	2.706413E+07
Std Error	7.137299		1187.781	109657.4	1.642533E+07

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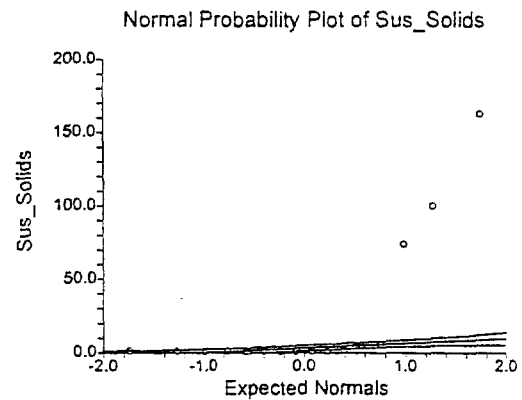
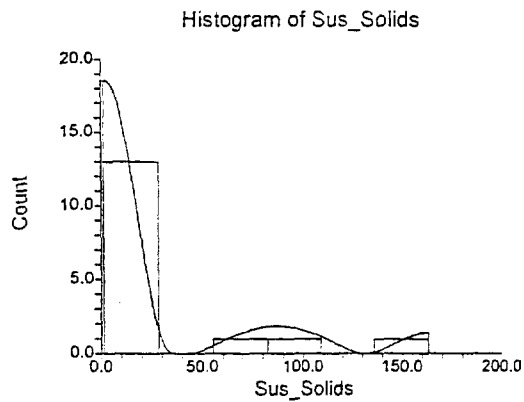
Quartile Section of Sus_Solids when Phase=I,Status=D

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	1.27	1.27	1.27	5.75	118.9
95% LCL		1.27	1.27	1.27	
95% UCL		1.27	5	163	

Normality Test Section of Sus_Solids when Phase=I,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.5303717	0.000004			Reject Normality
Anderson-Darling	3.799927	0.000000			Reject Normality
Martinez-Iglewicz	0		1.267819	1.475586	Accept Normality
Kolmogorov-Smirnov	0.449519		0.195	0.213	Reject Normality
D'Agostino Skewness	3.4714	0.000518	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.6465	0.008132	1.645	1.960	Reject Normality
D'Agostino Omnibus	19.0544	0.000073	4.605	5.991	Reject Normality

Plots Section of Sus_Solids when Phase=I,Status=D



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Percentile Section of Sus_Solids when Phase=I,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	163			
95	163			
90	118.9			
85	85.7			
80	46.8	1.27	163	96.4849
75	5.75	1.27	163	96.2847
70	4.68	1.27	163	97.1003
65	1.96	1.27	100	96.7381
60	1.48	1.27	74	96.2521
55	1.3155	1.27	6	95.6935
50	1.27	1.27	5	95.0958
45	1.27	1.27	5	95.6935
40	1.27	1.27	1.8	96.2521
35	1.27	1.27	1.4	96.7381
30	1.27	1.27	1.27	97.1003
25	1.27	1.27	1.27	96.2847
20	1.27	1.27	1.27	96.4849
15	1.27			
10	1.27			
5	1.27			
1	1.27			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Sus_Solids when Phase=I,Status=D

Depth	Stem	Leaves
(10)	1*	2222222224
6	.	8
5	2*	
5	.	
5	3*	
5	.	
5	4*	
5	.	
5	5*	0
4	.	
4	6*	0
High		740, 1000, 1630

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of Sus_Solids when Phase=I,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	1.27	0		1.27	1.27	0

Counts Section of Sus_Solids when Phase=I,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
101	2	0	1	2.54	3.2258	0

Means Section of Sus_Solids when Phase=I,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.27	1.27	1.27	1.27	2.54	1.27
Std Error						
95% LCL					0	
95% UCL					0	
T-Value						
Prob Level						
Count	2		2	2		2

Variation Section of Sus_Solids when Phase=I,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0	0	0		0	0
Std Error	0			0		
95% LCL	0	0		0		
95% UCL	0	0		0		

Skewness and Kurtosis Section of Sus_Solids when Phase=I,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					0	0
Std Error						

Trimmed Section of Sus_Solids when Phase=I,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.27	1.27	1.27	1.27	1.27	1.27
Trim-Std Dev	4.856068E-09	9.27434E-09	9.514772E-09			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of Sus_Solids when Phase=I,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0	0	0	0	0
Std Error			0	0	0

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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

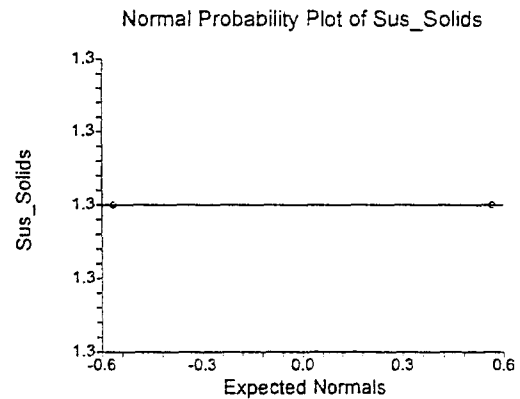
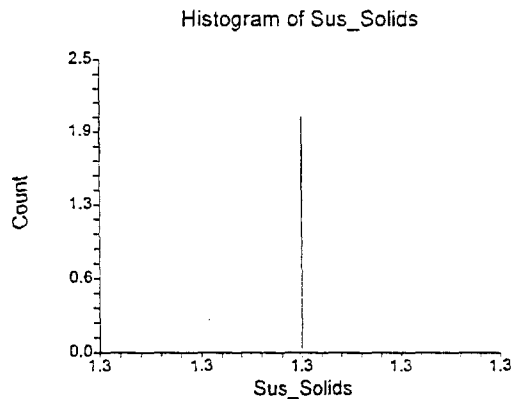
Quartile Section of Sus_Solids when Phase=I,Status=R

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	1.27	1.27	1.27	1.27	1.27
95% LCL					
95% UCL					

Normality Test Section of Sus_Solids when Phase=I,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	0		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.449519		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of Sus_Solids when Phase=I,Status=R



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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

Percentile Section of Sus_Solids when Phase=I,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	1.27			
95	1.27			
90	1.27			
85	1.27			
80	1.27			
75	1.27			
70	1.27			
65	1.27			
60	1.27			
55	1.27			
50	1.27			
45	1.27			
40	1.27			
35	1.27			
30	1.27			
25	1.27			
20	1.27			
15	1.27			
10	1.27			
5	1.27			
1	1.27			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Sus_Solids when Phase=I,Status=R

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Summary Section of Sus_Solids when Phase=II,Status=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
61	3.212459	4.20309	0.5381505	0.05	20	19.95

Counts Section of Sus_Solids when Phase=II,Status=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
101	61	0	30	195.96	1689.471	1059.958

Means Section of Sus_Solids when Phase=II,Status=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	3.212459	1.8	1.179706	0.3135553	195.96	1.8
Std Error	0.5381505				32.82718	
95% LCL	2.135998	1			130.2959	
95% UCL	4.28892	2.7			261.6241	
T-Value	5.9694					
Prob Level	0.000000					
Count	61		61	61		8

Variation Section of Sus_Solids when Phase=II,Status=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	17.66596	4.20309	4.220638	0.5381505	3.8	19.95
Std Error	5.583645	0.9393646		0.1202733		
95% LCL	12.72494	3.567203		0.4567336		
95% UCL	26.1836	5.116991		0.6551635		

Skewness and Kurtosis Section of Sus_Solids when Phase=II,Status=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.03557	7.093838	2.08725	4.555546	1.308371	1.47031
Std Error	0.3995119	2.190866			0.1260158	

Trimmed Section of Sus_Solids when Phase=II,Status=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.677732	2.302254	2.064052	1.897869	1.676776	1.714754
Trim-Std Dev	2.995906	2.193285	1.632042	1.208733	0.5344669	0.1355252
Count	54.9	48.8	42.7	30.5	18.3	6.1

Mean-Deviation Section of Sus_Solids when Phase=II,Status=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.010685	2.646557	17.37636	147.443	2141.898
Std Error	0.3240727		5.49211	66.08117	1163.08

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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

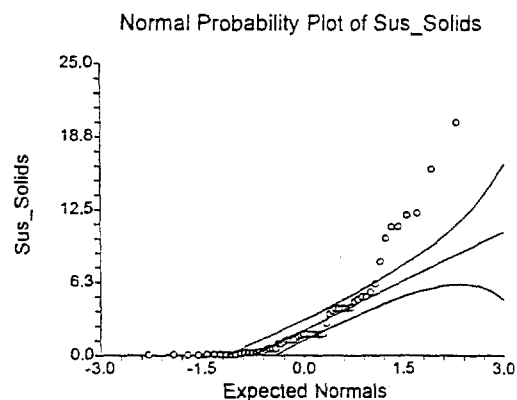
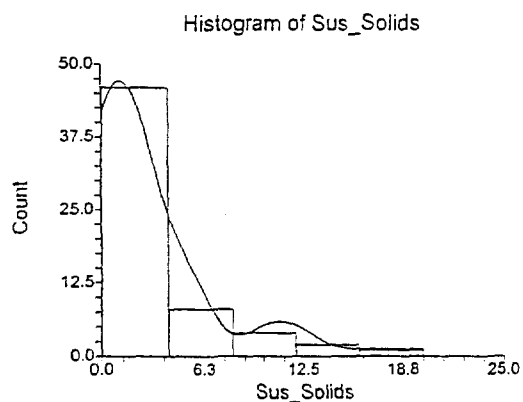
Quartile Section of Sus_Solids when Phase=II,Status=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.1	0.25	1.8	4.05	10.8
95% LCL	0.05	0.1	1	2.7	5
95% UCL	0.2	1	2.7	6.1	16

Normality Test Section of Sus_Solids when Phase=II,Status=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7336128	0.000000			Reject Normality
Anderson-Darling	5.455342	0.000000			Reject Normality
Martinez-Iglewicz	3.010647		1.079004	1.121805	Reject Normality
Kolmogorov-Smirnov	0.2545352		0.103	0.113	Reject Normality
D'Agostino Skewness	5.0361	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.5091	0.000450	1.645	1.960	Reject Normality
D'Agostino Omnibus	37.6763	0.000000	4.605	5.991	Reject Normality

Plots Section of Sus_Solids when Phase=II,Status=D



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Percentile Section of Sus_Solids when Phase=II,Status=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	20			
95	12.18	6.1	20	95.3038
90	10.8	5	16	97.0874
85	5.89	4	12	97.0879
80	4.92	4	10	95.9961
75	4.05	2.7	6.1	96.2882
70	4	1.8	5	95.0631
65	3.59	1.8	4.1	95.4235
60	1.8	1.6	4	96.4389
55	1.8	1.27	4	96.1394
50	1.8	1	2.7	96.0383
45	1.387	0.6	1.8	96.1394
40	1.246	0.3	1.8	96.4389
35	0.88	0.2	1.6	95.5753
30	0.56	0.2	1.27	95.0631
25	0.25	0.1	1	96.2882
20	0.2	0.1	0.6	96.3334
15	0.1	0.05	0.2	95.3378
10	0.1	0.05	0.2	97.0874
5	0.05	0.05	0.1	95.3038
1	0.05			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Sus_Solids when Phase=II,Status=D

Depth	Stem	Leaves
17	0*	00001111112222233
21	.	5666
28	1*	0012224
(10)	.	6788888888
23	2*	
23	.	7
22	3*	
22	.	58
20	4*	000001
14	.	68
12	5*	004
9	.	
9	6*	1
8	.	
8	7*	
8	.	
8	8*	0
High		100, 110, 110, 120, 122, 160, 200

Unit = .1 Example: 1 | 2 Represents 1.2

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Summary Section of Sus_Solids when Phase=II,Status=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
10	0.683	0.522729	0.1653014	0.05	1.27	1.22

Counts Section of Sus_Solids when Phase=II,Status=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
101	10	0	5	6.83	7.1241	2.45921

Means Section of Sus_Solids when Phase=II,Status=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.683	0.5	0.4561741	0.2470176	6.83	1.27
Std Error	0.1653014				1.653014	
95% LCL	0.3090622	0.05			3.090622	
95% UCL	1.056938	1.27			10.56938	
T-Value	4.1318					
Prob Level	0.002552					
Count	10		10	10		4

Variation Section of Sus_Solids when Phase=II,Status=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.2732455	0.522729	0.5374225	0.1653014	1.07	1.22
Std Error	4.490039E-02	6.073774E-02		1.920696E-02		
95% LCL	0.1292772	0.3595514		0.1137001		
95% UCL	0.9106871	0.9542993		0.3017759		

Skewness and Kurtosis Section of Sus_Solids when Phase=II,Status=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.2145214	1.270019	0.2543911	-2.094074	0.7653425	0.866
Std Error	0.5822889	0.3529258			0.1603428	

Trimmed Section of Sus_Solids when Phase=II,Status=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.6855556	0.68875	0.6821429	0.661	0.595	0.5
Trim-Std Dev	0.5107008	0.4947853	0.4873428	0.4595501	0.3803781	
Count	9	8	7	5	3	1

Mean-Deviation Section of Sus_Solids when Phase=II,Status=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4696	0.433	0.245921	2.616158E-02	0.0768071
Std Error	9.903004E-02		4.041035E-02	6.745192E-02	1.795206E-02

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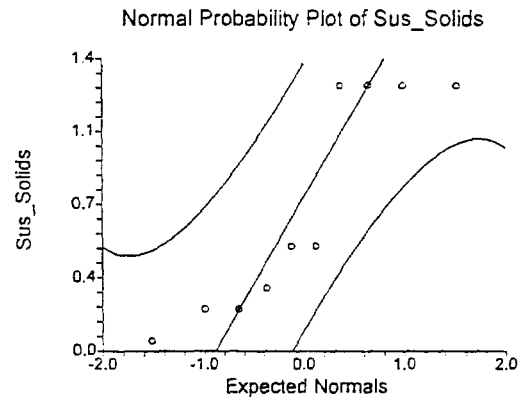
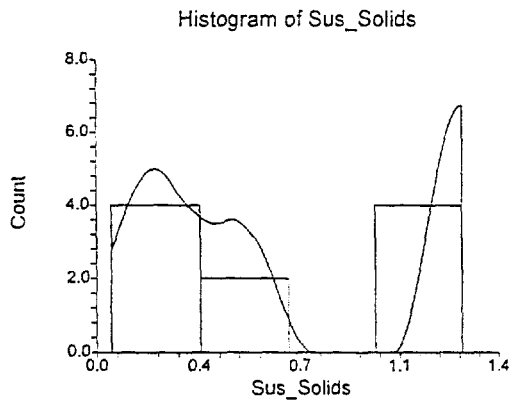
Quartile Section of Sus_Solids when Phase=II,Status=R

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	0.065	0.2	0.5	1.27	1.27
95% LCL			0.05		
95% UCL			1.27		

Normality Test Section of Sus_Solids when Phase=II,Status=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7974483	0.013499			Reject Normality
Anderson-Darling	0.9882211	0.013169			Reject Normality
Martinez-Iglewicz	0.9873123		1.430911	1.961897	Accept Normality
Kolmogorov-Smirnov	0.2368629		0.241	0.262	Accept Normality
D'Agostino Skewness	0.3833	0.701511	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.3829	0.017177	1.645	1.960	Reject Normality
D'Agostino Omnibus	5.8251	0.054337	4.605	5.991	Accept Normality

Plots Section of Sus_Solids when Phase=II,Status=R



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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

Percentile Section of Sus_Solids when Phase=II,Status=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	1.27			
95	1.27			
90	1.27			
85	1.27			
80	1.27			
75	1.27			
70	1.27	0.3	1.27	96.1160
65	1.27	0.3	1.27	96.0513
60	0.962	0.2	1.27	98.1659
55	0.5385	0.2	1.27	97.2241
50	0.5	0.05	1.27	98.8281
45	0.49	0.05	1.27	97.0075
40	0.38	0.05	1.27	98.1659
35	0.285	0.05	1.27	96.0513
30	0.23	0.05	1.27	96.1160
25	0.2			
20	0.2			
15	0.1475			
10	0.065			
5	0.05			
1	0.05			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Sus_Solids when Phase=II,Status=R

Depth	Stem	Leaves
1	0*	0
4	T	223
(2)	F	55
4	S	
4	.	
4	1*	
4	T	2222

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

Summary Section of Sus_Solids when Phase=II,Status=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
12	1.039167	0.6345716	0.183185	0.4	2.5	2.1

Counts Section of Sus_Solids when Phase=II,Status=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
101	12	0	10	12.47	17.3879	4.429492

Means Section of Sus_Solids when Phase=II,Status=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.039167	0.95	0.886597	0.763982	12.47	
Std Error	0.183185				2.19822	
95% LCL	0.6359791	0.4			7.63175	
95% UCL	1.442354	1.27			17.30825	
T-Value	5.6728					
Prob Level	0.000144					
Count	12		12	12		

Variation Section of Sus_Solids when Phase=II,Status=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.4026811	0.6345716	0.6491386	0.183185	0.715	2.1
Std Error	0.1805264	0.2011616		5.807036E-02		
95% LCL	0.2020749	0.4495274		0.1297674		
95% UCL	1.160845	1.077425		0.3110258		

Skewness and Kurtosis Section of Sus_Solids when Phase=II,Status=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.097758	3.411795	1.261228	1.387629	0.6106543	0.4973684
Std Error	0.4733037	1.675729			9.702818E-02	

Trimmed Section of Sus_Solids when Phase=II,Status=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.9935185	0.9489583	0.9202381	0.9166667	0.9388889	0.95
Trim-Std Dev	0.5422409	0.4284762	0.3386099	0.246306	0.2206246	0.3674235
Count	10.8	9.6	8.4	6	3.6	1.2

Mean-Deviation Section of Sus_Solids when Phase=II,Status=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4725	0.4725	0.3691243	0.2461872	0.4648664
Std Error	0.1098565		0.1654825	0.1355352	0.2544807

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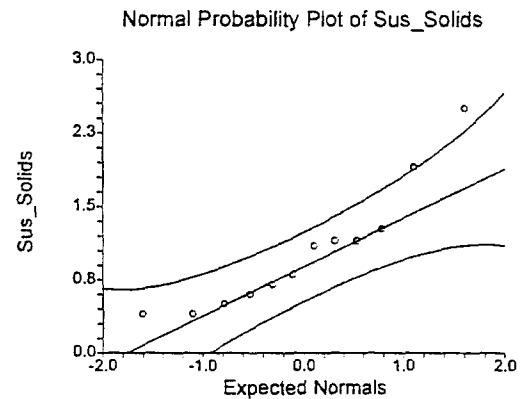
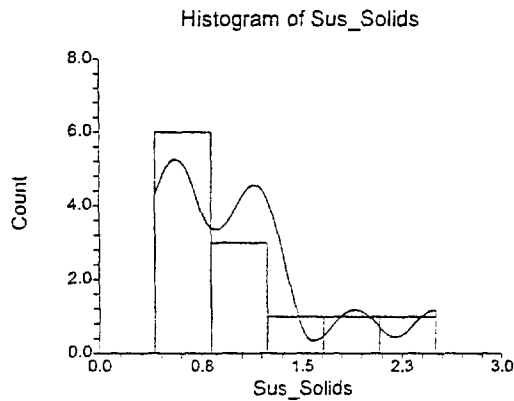
Quartile Section of Sus_Solids when Phase=II,Status=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.4	0.525	0.95	1.24	2.32
95% LCL		0.4	0.4	0.8	
95% UCL		1.1	1.27	2.5	

Normality Test Section of Sus_Solids when Phase=II,Status=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8736107	0.072632			Accept Normality
Anderson-Darling	0.6106752	0.112398			Accept Normality
Martinez-Iglewicz	1.264617		1.356672	1.719144	Accept Normality
Kolmogorov-Smirnov	0.191351		0.222	0.242	Accept Normality
D'Agostino Skewness	1.9564	0.050415	1.645	1.960	Accept Normality
D'Agostino Kurtosis	1.1848	0.236079	1.645	1.960	Accept Normality
D'Agostino Omnibus	5.2315	0.073114	4.605	5.991	Accept Normality

Plots Section of Sus_Solids when Phase=II,Status=U



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Database C:\Program Files\NCSS97\Data\FS12-GW-sussolids.S0

Percentile Section of Sus_Solids when Phase=II,Status=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	2.5			
95	2.5			
90	2.32			
85	1.93			
80	1.522			
75	1.24	0.8	2.5	95.4071
70	1.162	0.7	2.5	97.6669
65	1.15	0.6	1.9	95.1949
60	1.14	0.6	1.9	96.5142
55	1.1075	0.5	1.9	98.3832
50	0.95	0.4	1.27	97.7539
45	0.785	0.4	1.15	95.6136
40	0.72	0.4	1.15	98.2556
35	0.655	0.4	1.15	96.8805
30	0.59	0.4	1.15	97.6669
25	0.525	0.4	1.1	95.4071
20	0.46			
15	0.4			
10	0.4			
5	0.4			
1	0.4			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Sus_Solids when Phase=II,Status=U

Depth	Stem	Leaves
3	F	445
5	S	67
6	.	8
6	1*	111
3	T	2
2	F	
2	S	
2	.	9
High		25

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Database C:\NCS\data\ES12-SW-Turbidity.xls

Summary Section of Turbidity when Phase=I,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	420.5829	664.6768	112.3509	0	2364	2364

Counts Section of Turbidity when Phase=I,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	35	0	29	14720.4	2.121218E+07	1.502104E+07

Means Section of Turbidity when Phase=I,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	420.5829	17.3	42.45653	3.001683	14720.4	0
Std Error	112.3509				3932.281	
95% LCL	192.2584	2			6729.044	
95% UCL	648.9073	327.3			22711.76	
T-Value	3.7435					
Prob Level	0.000671					
Count	35		30	30		5

Variation Section of Turbidity when Phase=I,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	441795.2	664.6768	669.5814	112.3509	801.6	2364
Std Error	128741.2	136.9595		23.15037		
95% LCL	289055.1	537.6384		90.87749		
95% UCL	758398.7	870.8609		147.2024		

Skewness and Kurtosis Section of Turbidity when Phase=I,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.462936	3.972084	1.529273	1.319916	1.580371	24.16499
Std Error	0.4232367	1.464657			0.2520847	

Trimmed Section of Turbidity when Phase=I,Relative_Location=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	346.7952	284.7911	224.8704	123.7857	32.1381	15.95
Trim-Std Dev	546.2173	456.591	366.7134	226.3116	55.36655	4.263977
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of Turbidity when Phase=I,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	535.3193	418.0543	429172.5	4.113137E+08	7.316143E+11
Std Error	67.60622		125062.9	1.443493E+08	3.184761E+11

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Database

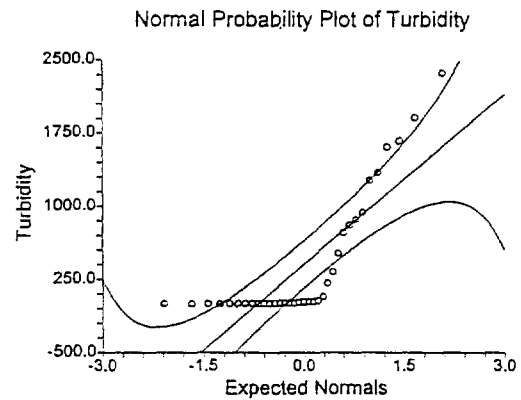
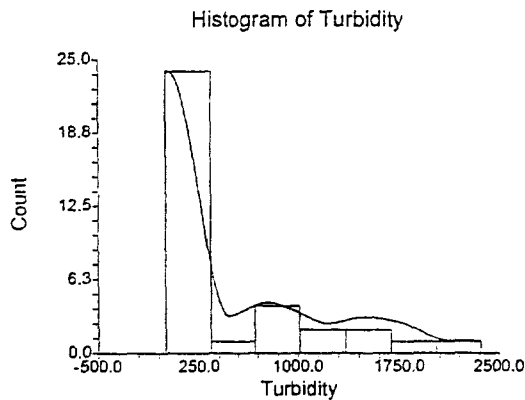
Quartile Section of Turbidity when Phase=I,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	1.3	17.3	802.9	1632.22
95% LCL	0	0	2	69.7	859.7
95% UCL	0.9	2.5	327.3	1608.1	2364

Normality Test Section of Turbidity when Phase=I,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6943675	0.000000			Reject Normality
Anderson-Darling	4.772501	0.000000			Reject Normality
Martinez-Iglewicz	1249.544		1.129221	1.196894	Reject Normality
Kolmogorov-Smirnov	0.329787		0.136	0.148	Reject Normality
D'Agostino Skewness	3.3349	0.000853	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.5516	0.120752	1.645	1.960	Accept Normality
D'Agostino Omnibus	13.5289	0.001154	4.605	5.991	Reject Normality

Plots Section of Turbidity when Phase=I,Relative_Location=D



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Percentile Section of Turbidity when Phase=I,Relative_Location=D

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	2364			
95	2000.64			
90	1632.22	859.7	2364	95.4978
85	1312.22	516.6	1909.8	96.4725
80	916.66	209.9	1668.4	96.6778
75	802.9	69.7	1608.1	95.0059
70	558.48	18.7	1263.2	95.7141
65	256.86	13.9	930.9	96.8023
60	53.3	3.8	802.9	96.0789
55	18.7	2.5	726	95.9234
50	17.3	2	327.3	95.9040
45	6.78	1.4	69.7	95.9234
40	3.02	0.9	18.7	95.9785
35	2.18	0.8	18.7	96.8023
30	1.4	0	5	95.5000
25	1.3	0	2.5	95.0059
20	0.82	0	2	96.1688
15	0.12	0	1.4	96.7432
10	0	0	0.9	95.4978
5	0			
1	0			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Turbidity when Phase=I,Relative_Location=D

Depth	Stem	Leaves
(22)	0*	0000000000000000000000
13	T	23
11	F	5
10	S	7
9	.	889
6	1*	
6	T	23
4	F	
4	S	66
High		19, 23

Unit = 100 Example: 1 |2 Represents 1200

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Summary Section of Turbidity when Phase=I,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
2	0.25	0.3535534	0.25	0	0.5	0.5

Counts Section of Turbidity when Phase=I,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	2	0	2	0.5	0.25	0.125

Means Section of Turbidity when Phase=I,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.25	0.25	0.5	0.5	0.5	0
Std Error	0.25				0.5	
95% LCL	-2.926551				-5.853102	
95% UCL	3.426551				6.853102	
T-Value	1.0000					
Prob Level	0.500000					
Count	2		1	1		1

Variation Section of Turbidity when Phase=I,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.125	0.3535534	0.4431135	0.25	0.5	0.5
Std Error	0	0		0		
95% LCL	2.488114E-02	0.1577376		0.1115373		
95% UCL	127.2823	11.28195		7.97754		

Skewness and Kurtosis Section of Turbidity when Phase=I,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value					1.414214	1
Std Error					1	

Trimmed Section of Turbidity when Phase=I,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.25	0.25	0.25	0.25	0.25	0.25
Trim-Std Dev	0.375	0.4082483	0.4677072			
Count	1.8	1.6	1.4	1	0.6	0.2

Mean-Deviation Section of Turbidity when Phase=I,Relative_Location=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.25	0.25	0.0625	0	3.90625E-03
Std Error			0	2.209709E-02	0

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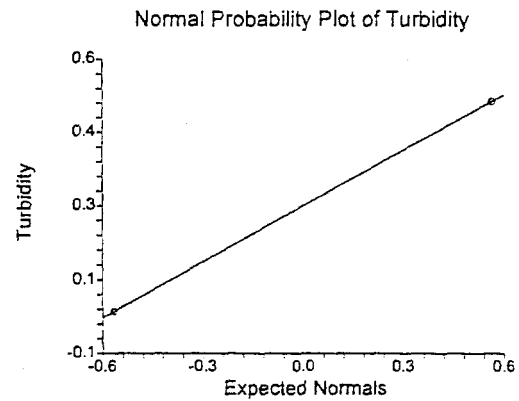
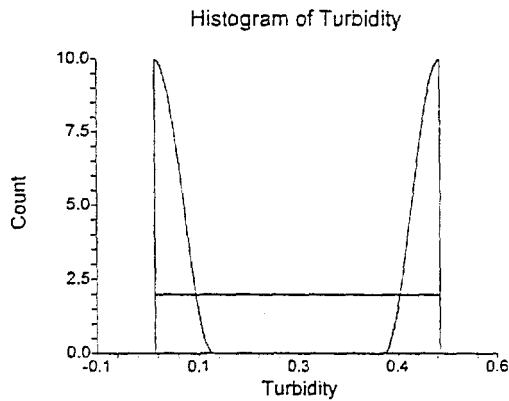
Quartile Section of Turbidity when Phase=I,Relative_Location=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0	0.25	0.5	0.5
95% LCL					
95% UCL					

Normality Test Section of Turbidity when Phase=I,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W					
Anderson-Darling					
Martinez-Iglewicz	1.805		5.323102	81.61262	Accept Normality
Kolmogorov-Smirnov	0.2602499		0.437	0.472	Accept Normality
D'Agostino Skewness	0.0000		1.645	1.960	
D'Agostino Kurtosis		1.000000	1.645	1.960	
D'Agostino Omnibus			4.605	5.991	

Plots Section of Turbidity when Phase=I,Relative_Location=R



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Percentile Section of Turbidity when Phase=I,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	0.5			
95	0.5			
90	0.5			
85	0.5			
80	0.5			
75	0.5			
70	0.5			
65	0.475			
60	0.4			
55	0.325			
50	0.25			
45	0.175			
40	0.1			
35	0.025			
30	0			
25	0			
20	0			
15	0			
10	0			
5	0			
1	0			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Turbidity when Phase=I,Relative_Location=R

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Summary Section of Turbidity when Phase=II,Relative_Location=D

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
95	93.81263	300.2975	30.80987	0	1882.4	1882.4

Counts Section of Turbidity when Phase=II,Relative_Location=D

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	95	0	73	8912.2	9312861	8476784

Means Section of Turbidity when Phase=II,Relative_Location=D

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	93.81263	8.7	11.17909	1.847558	8912.2	0
Std Error	30.80987				2926.938	
95% LCL	32.63892	4.6			3100.697	
95% UCL	154.9863	11.4			14723.7	
T-Value	3.0449					
Prob Level	0.003020					
Count	95		82	82		13

Variation Section of Turbidity when Phase=II,Relative_Location=D

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	90178.55	300.2975	301.0972	30.80987	29.6	1882.4
Std Error	41406.43	97.49922		10.00321		
95% LCL	69076.94	262.8249		26.96527		
95% UCL	122731.6	350.3307		35.94317		

Skewness and Kurtosis Section of Turbidity when Phase=II,Relative_Location=D

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	4.222079	21.02869	4.290117	19.08075	3.201034	10.5274
Std Error	0.9583965	9.191339			0.4284876	

Trimmed Section of Turbidity when Phase=II,Relative_Location=D

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	32.38334	15.97368	13.10489	9.525263	8.375439	8.794737
Trim-Std Dev	88.23306	20.79234	14.94612	7.043688	2.982115	1.036665
Count	85.5	76	66.5	47.5	28.5	9.5

Mean-Deviation Section of Turbidity when Phase=II,Relative_Location=D

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	143.5047	91.58842	89229.3	1.12535E+08	1.674277E+11
Std Error	18.56038		40970.57	5.905622E+07	1.014237E+11

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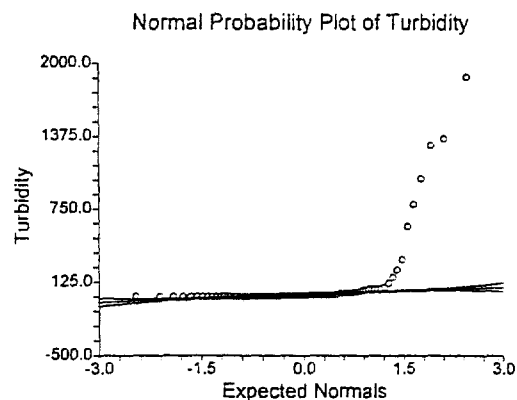
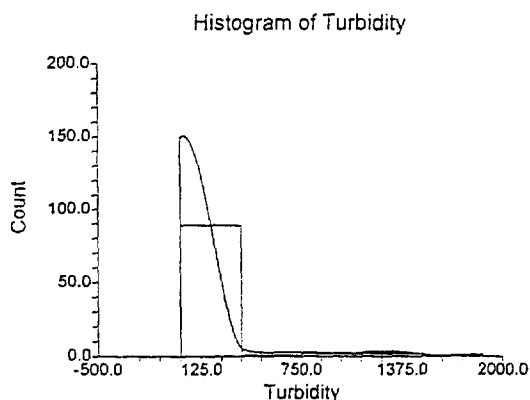
Quartile Section of Turbidity when Phase=II,Relative_Location=D

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0.7	8.7	30.3	133.48
95% LCL	0	0.2	4.6	13.7	62.1
95% UCL	0.3	2.7	11.4	62.1	1014.6

Normality Test Section of Turbidity when Phase=II,Relative_Location=D

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.3391326	0.000000			Reject Normality
Anderson-Darling	26.20743	0.000000			Reject Normality
Martinez-Iglewicz	570.6953		1.053529	1.083231	Reject Normality
Kolmogorov-Smirnov	0.4200482		0.083	0.09	Reject Normality
D'Agostino Skewness	8.6620	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	6.2772	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	114.4332	0.000000	4.605	5.991	Reject Normality

Plots Section of Turbidity when Phase=II,Relative_Location=D



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	1882.4			
95	833.88	112.8	1882.4	97.1814
90	133.48	62.1	1014.6	96.2288
85	62.3	31.5	225	95.7400
80	39.74	24.3	66.8	96.0140
75	30.3	13.7	62.1	95.6834
70	19.9	11.4	37.5	95.6880
65	13.34	10.2	27.7	95.7421
60	11.2	8.7	18.8	95.3983
55	10.28	7.5	13.1	95.0223
50	8.7	4.6	11.4	96.0392
45	7.52	2.7	10.3	96.1088
40	4.68	1.7	8.7	95.3983
35	3.06	0.7	7.5	95.9234
30	1.64	0.5	4.6	95.6880
25	0.7	0.2	2.7	95.2788
20	0.5	0	1.3	95.8512
15	0.14	0	0.6	95.7400
10	0	0	0.3	96.2288
5	0	0	0	97.1814
1	0			

Stem-Leaf Plot Section of Turbidity when Phase=II,Relative_Location=D

Unit = 1 Example: 1 | 2 Represents 12

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Summary Section of Turbidity when Phase=II,Relative_Location=R

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
14	0.5571429	0.6185769	0.1653216	0	1.6	1.6

Counts Section of Turbidity when Phase=II,Relative_Location=R

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	14	0	7	7.8	9.32	4.974286

Means Section of Turbidity when Phase=II,Relative_Location=R

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.5571429	0.4	0.856755	0.7443234	7.8	0
Std Error	0.1653216				2.314503	
95% LCL	0.1999872	0			2.799821	
95% UCL	0.9142985	0.9			12.80018	
T-Value	3.3701					
Prob Level	0.005023					
Count	14		8	8		6

Variation Section of Turbidity when Phase=II,Relative_Location=R

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.3826374	0.6185769	0.6305758	0.1653216	1.05	1.6
Std Error	9.708761E-02	0.1109827		2.966136E-02		
95% LCL	0.2010982	0.4484397		0.1198506		
95% UCL	0.9931191	0.9965536		0.2663402		

Skewness and Kurtosis Section of Turbidity when Phase=II,Relative_Location=R

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.6147124	1.901324	0.6910769	-1.032135	1.110266	1.25
Std Error	0.4532495	0.7324427			0.2504356	

Trimmed Section of Turbidity when Phase=II,Relative_Location=R

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.5301588	0.5	0.4642857	0.3928571	0.3761905	0.4
Trim-Std Dev	0.5862314	0.5477226	0.4968652	0.3593148	0.2956027	8.590315E-09
Count	12.6	11.2	9.8	7	4.2	1.4

Mean-Deviation Section of Turbidity when Phase=II,Relative_Location=R

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.522449	0.5	0.3553061	0.1301895	0.2400278
Std Error	9.921669E-02		9.015279E-02	7.570545E-02	6.141756E-02

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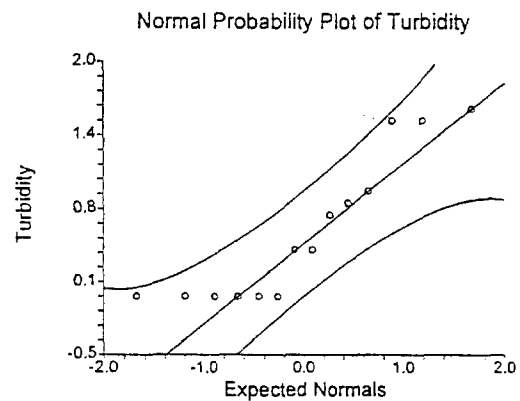
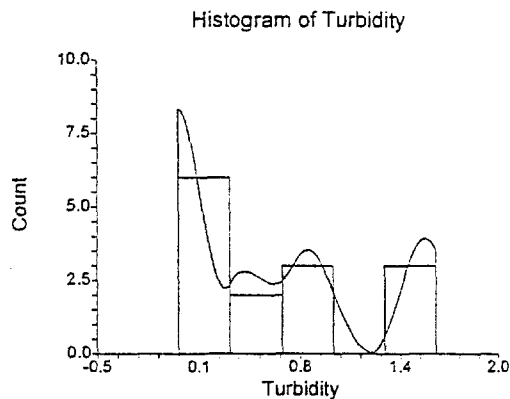
Quartile Section of Turbidity when Phase=II,Relative_Location=R

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0	0.4	1.05	1.55
95% LCL		0	0	0.4	
95% UCL		0.4	0.9	1.6	

Normality Test Section of Turbidity when Phase=II,Relative_Location=R

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8195023	0.008787			Reject Normality
Anderson-Darling	1.030285	0.010374			Reject Normality
Martinez-Iglewicz	1.019976		1.305415	1.57245	Accept Normality
Kolmogorov-Smirnov	0.2446935		0.208	0.226	Reject Normality
D'Agostino Skewness	1.1909	0.233674	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.0172	0.309050	1.645	1.960	Accept Normality
D'Agostino Omnibus	2.4531	0.293304	4.605	5.991	Accept Normality

Plots Section of Turbidity when Phase=II,Relative_Location=R



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Percentile Section of Turbidity when Phase=II,Relative_Location=R

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	1.6			
95	1.6			
90	1.55			
85	1.5			
80	1.5	0.4	1.6	95.3622
75	1.05	0.4	1.6	97.1873
70	0.85	0	1.6	98.4929
65	0.775	0	1.5	95.5137
60	0.7	0	1.5	97.4393
55	0.475	0	1.5	97.1563
50	0.4	0	0.9	96.4844
45	0.3	0	0.9	97.1563
40	0	0	0.8	97.4393
35	0	0	0.7	97.3253
30	0	0	0.4	96.1749
25	0	0	0.4	97.1873
20	0	0	0.4	95.3622
15	0			
10	0			
5	0			
1	0			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Turbidity when Phase=II,Relative_Location=R

Depth	Stem	Leaves
6	0*	000000
6	T	
(2)	F	44
6	S	7
5	.	89
3	1*	
3	T	
3	F	55
1	S	6

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of Turbidity when Phase=II,Relative_Location=U

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
21	0.7095238	0.9262315	0.2021203	0	3.4	3.4

Counts Section of Turbidity when Phase=II,Relative_Location=U

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
167	21	0	11	14.9	27.73	17.15809

Means Section of Turbidity when Phase=II,Relative_Location=U

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.7095238	0.4	0.5977691	0.4074602	14.9	0
Std Error	0.2021203				4.244526	
95% LCL	0.2879083	0.1			6.046074	
95% UCL	1.131139	0.8			23.75393	
T-Value	3.5104					
Prob Level	0.002201					
Count	21		16	16		5

Variation Section of Turbidity when Phase=II,Relative_Location=U

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.8579047	0.9262315	0.9378772	0.2021203	0.9	3.4
Std Error	0.3634072	0.2774335		6.054097E-02		
95% LCL	0.5021449	0.7086219		0.154634		
95% UCL	1.78902	1.337543		0.2918757		

Skewness and Kurtosis Section of Turbidity when Phase=II,Relative_Location=U

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.651374	4.76815	1.781215	2.62569	1.305427	1.416667
Std Error	0.5741549	2.317298			0.1934654	

Trimmed Section of Turbidity when Phase=II,Relative_Location=U

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.6021164	0.5291666	0.4588435	0.3785714	0.3579365	0.3738095
Trim-Std Dev	0.7102567	0.5772429	0.4247456	0.1565007	5.382216E-02	6.074929E-02
Count	18.9	16.8	14.7	10.5	6.3	2.1

Mean-Deviation Section of Turbidity when Phase=II,Relative_Location=U

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.6897959	0.5666667	0.8170521	1.219607	3.183094
Std Error	0.1214804		0.3461021	0.5941415	1.821362

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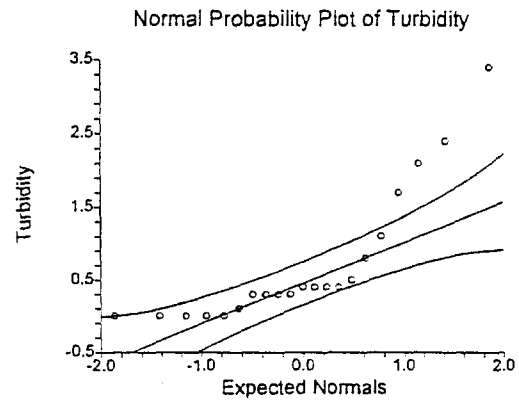
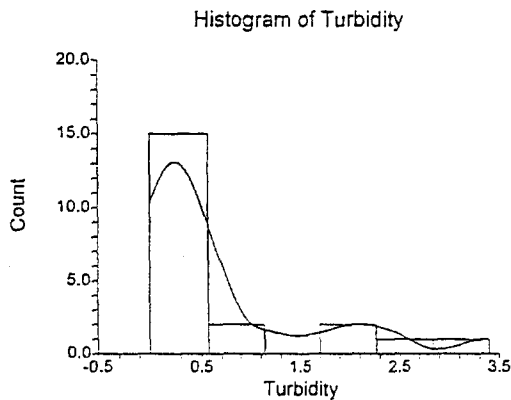
Quartile Section of Turbidity when Phase=II,Relative_Location=U

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0.05	0.4	0.95	2.34
95% LCL		0	0.1	0.4	
95% UCL		0.3	0.8	2.4	

Normality Test Section of Turbidity when Phase=II,Relative_Location=U

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7436553	0.000102			Reject Normality
Anderson-Darling	2.248978	0.000011			Reject Normality
Martinez-Iglewicz	2.401541		1.206468	1.336919	Reject Normality
Kolmogorov-Smirnov	0.3037671		0.173	0.188	Reject Normality
D'Agostino Skewness	3.1282	0.001759	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.0460	0.040752	1.645	1.960	Reject Normality
D'Agostino Omnibus	13.9719	0.000925	4.605	5.991	Reject Normality

Plots Section of Turbidity when Phase=II,Relative_Location=U



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Percentile Section of Turbidity when Phase=II,Relative_Location=U

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	3.4			
95	3.3			
90	2.34			
85	1.98	0.4	3.4	95.8731
80	1.46	0.4	3.4	97.6363
75	0.95	0.4	2.4	96.0343
70	0.62	0.3	2.1	96.4130
65	0.43	0.3	1.7	95.6152
60	0.4	0.3	1.1	95.0753
55	0.4	0.3	1.1	97.4230
50	0.4	0.1	0.8	97.3396
45	0.3	0	0.5	97.4230
40	0.3	0	0.4	95.3751
35	0.3	0	0.4	96.0042
30	0.22	0	0.4	96.8025
25	0.05	0	0.3	96.0343
20	0	0	0.3	97.6363
15	0	0	0.3	95.8731
10	0			
5	0			
1	0			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Turbidity when Phase=II,Relative_Location=U

Depth	Stem	Leaves
6	0*	000001
10	T	3333
(5)	F	44445
6	S	
6	.	8
5	1*	1
4	T	
4	F	
4	S	7
High		21, 24, 34

Unit = .1 Example: 1 |2 Represents 1.2

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Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=I	270	21.66333	5.407805	0.3291085	21.01829	22.30837
Class=Study,PHASE=I	176	17.32903	7.816	0.5891532	16.16627	18.49179

Note: T-alpha (Class=Ref.,PHASE=I) = 1.9600, T-alpha (Class=Study,PHASE=I) = 1.9736

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	444	4.334299	6.464988	0.626321	3.106733	5.561866
Unequal	283.31	4.334299	9.504432	0.6748436	3.01163	5.656969

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	6.9203	0.000000	Reject Ho	1.000000	0.999992
Difference < 0	6.9203	1.000000	Accept Ho	0.000000	0.000000
Difference > 0	6.9203	0.000000	Reject Ho	1.000000	0.999998

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	6.4227	0.000000	Reject Ho	0.999996	0.999930
Difference < 0	6.4227	1.000000	Accept Ho	0.000000	0.000000
Difference > 0	6.4227	0.000000	Reject Ho	0.999999	0.999977

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=I)	-7.9044	0.000000	Reject normality
Kurtosis Normality (Class=Ref.,PHASE=I)	1.7608	0.078273	Cannot reject normality
Omnibus Normality (Class=Ref.,PHASE=I)	65.5805	0.000000	Reject normality
Skewness Normality (Class=Study,PHASE=I)	-1.7114	0.087012	Cannot reject normality
Kurtosis Normality (Class=Study,PHASE=I)	33.7844	0.000000	Reject normality
Omnibus Normality (Class=Study,PHASE=I)	1144.3143	0.000000	Reject normality
Variance-Ratio Equal-Variance Test	2.0889	0.000000	Reject equal variances
Modified-Levene Equal-Variance Test	39.4792	0.000000	Reject equal variances

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Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=I	33181.5	69766.5	60345	1330.422
Class=Study,PHASE=I	14338.5	29914.5	39336	1330.422

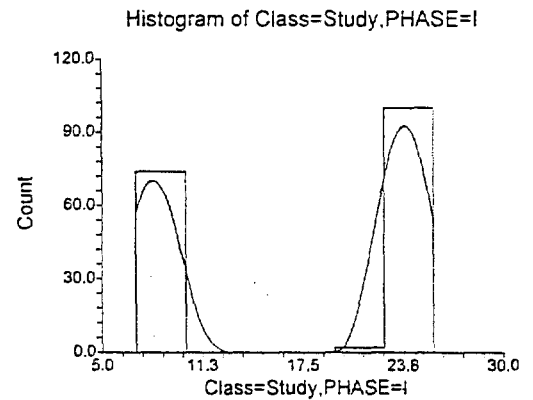
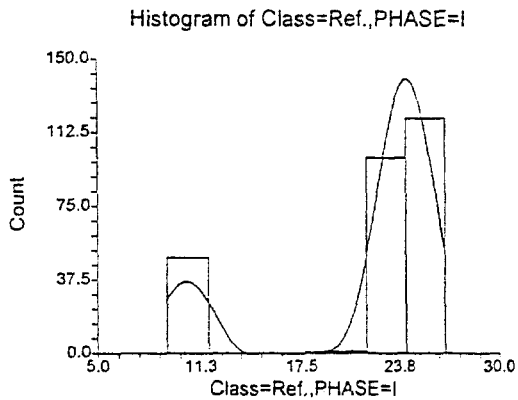
Number Sets of Ties = 94, Multiplicity Factor = 4956

Alternative Hypothesis	Exact Probability		Approximation Without Correction				Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			-7.0816	0.000000	Reject Ho	7.0812	0.000000	Reject Ho
Diff<0			-7.0816	1.000000	Accept Ho	-7.0820	1.000000	Accept Ho
Diff>0			-7.0816	0.000000	Reject Ho	-7.0812	0.000000	Reject Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.405640	0.1318	.050	Reject Ho	
D(1)<D(2)	0.000000	0.1318	.025	Accept Ho	
D(1)>D(2)	0.405640	0.1318	.025	Reject Ho	

Plots Section

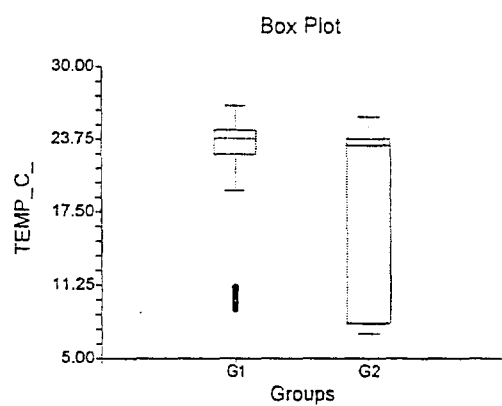
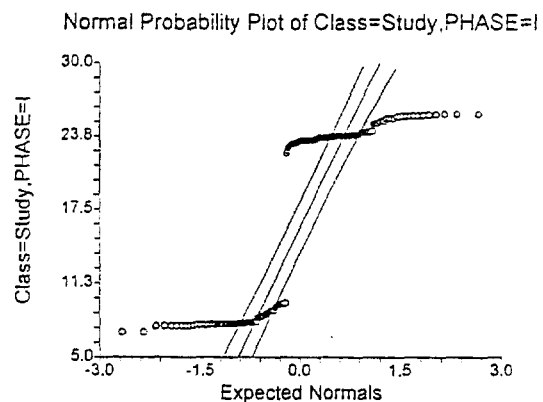
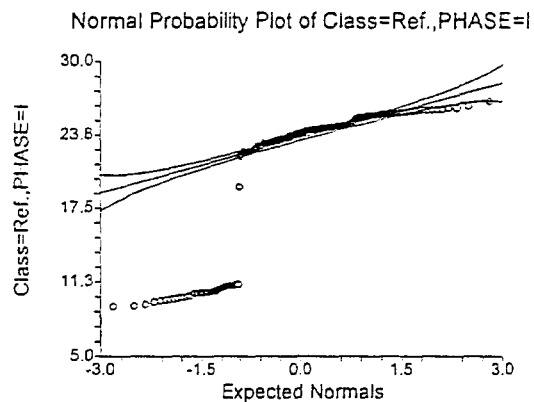


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Variable TEMP_C_



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 Variable TEMP_C_

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=II	444	18.5657	4.819439	0.2287204	18.11741	19.01398
Class=Study,PHASE=II	151	18.09848	4.878652	0.397019	17.314	18.88295

Note: T-alpha (Class=Ref.,PHASE=II) = 1.9600, T-alpha (Class=Study,PHASE=II) = 1.9759

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	593	0.4672214	4.834485	0.4554375	-0.4254197	1.359862
Unequal	256.52	0.4672214	6.857713	0.458189	-0.4308125	1.365255

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.0259	0.305369	Accept Ho	0.176543	0.060734
Difference < 0	1.0259	0.847315	Accept Ho	0.003784	0.000401
Difference > 0	1.0259	0.152685	Accept Ho	0.267965	0.096719

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.0197	0.308825	Accept Ho	0.174029	0.059229
Difference < 0	1.0197	0.845587	Accept Ho	0.003954	0.000440
Difference > 0	1.0197	0.154413	Accept Ho	0.267004	0.097220

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=II)	-2.3662	0.017972	Reject normality
Kurtosis Normality (Class=Ref.,PHASE=II)	-7.2174	0.000000	Reject normality
Omnibus Normality (Class=Ref.,PHASE=II)	57.6895	0.000000	Reject normality
Skewness Normality (Class=Study,PHASE=II)	-1.9653	0.049378	Reject normality
Kurtosis Normality (Class=Study,PHASE=II)	-3.8407	0.000123	Reject normality
Omnibus Normality (Class=Study,PHASE=II)	18.6138	0.000091	Reject normality
Variance-Ratio Equal-Variance Test	1.0247	0.855123	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.0021	0.963221	Cannot reject equal variances

Two-Sample Test Report

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Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=II	36171.5	134961.5	132312	1824.777
Class=Study,PHASE=II	30872.5	42348.5	44998	1824.777

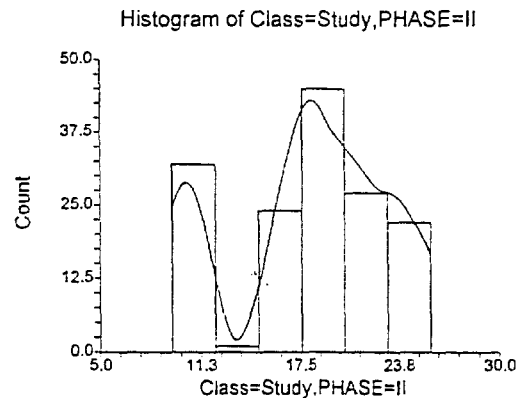
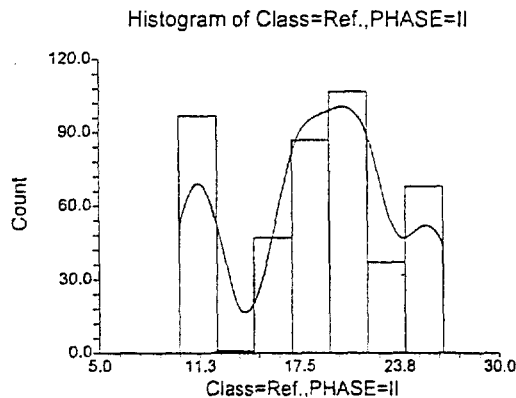
Number Sets of Ties = 117, Multiplicity Factor = 2622

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value
Diff<>0			-1.4520	0.146513	Accept Ho	1.4517
Diff<0			-1.4520	0.926743	Accept Ho	-1.4522
Diff>0			-1.4520	0.073257	Accept Ho	-1.4517

Kolmogorov-Smirnov Test For Different Distributions

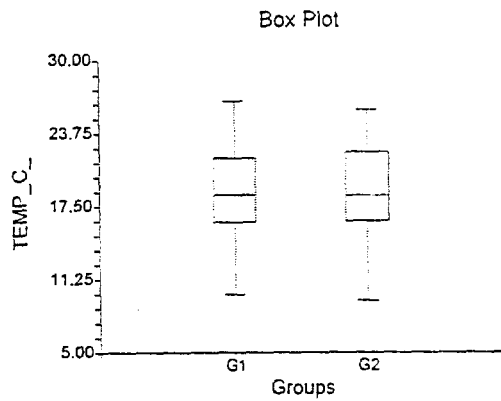
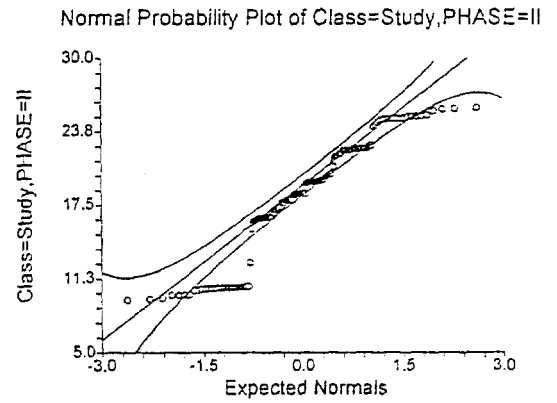
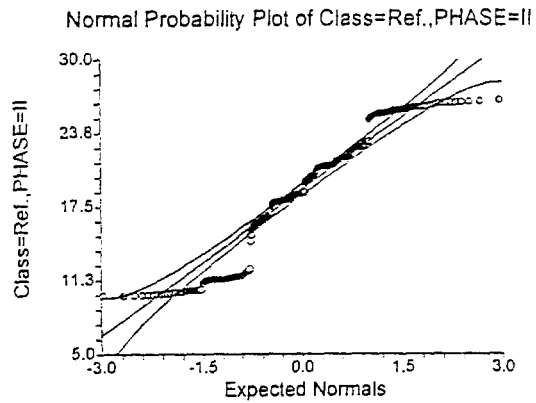
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.146605	0.1281	.050	Reject Ho	
D(1)<D(2)	0.061527	0.1281	.025	Accept Ho	
D(1)>D(2)	0.146605	0.1281	.025	Reject Ho	

Plots Section



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 Variable PH

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=I	270	6.844815	0.3051171	1.856883E-02	6.808421	6.881209
Class=Study,PHASE=I	176	6.735227	0.262661	1.979882E-02	6.696152	6.774302

Note: T-alpha (Class=Ref.,PHASE=I) = 1.9600, T-alpha (Class=Study,PHASE=I) = 1.9736

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	444	0.1095875	0.2891286	2.801046E-02	5.468805E-02	0.164487
Unequal	411.26	0.1095875	0.4026006	2.714396E-02	5.638635E-02	0.1627887

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	3.9124	0.000106	Reject Ho	0.974049	0.906902
Difference < 0	3.9124	0.999947	Accept Ho	0.000000	0.000000
Difference > 0	3.9124	0.000053	Reject Ho	0.988244	0.943235

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	4.0373	0.000065	Reject Ho	0.980673	0.925790
Difference < 0	4.0373	0.999968	Accept Ho	0.000000	0.000000
Difference > 0	4.0373	0.000032	Reject Ho	0.991564	0.956064

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=I)	-1.0672	0.285891	Cannot reject normality
Kurtosis Normality (Class=Ref.,PHASE=I)	-5.7281	0.000000	Reject normality
Omnibus Normality (Class=Ref.,PHASE=I)	33.9500	0.000000	Reject normality
Skewness Normality (Class=Study,PHASE=I)	-0.4860	0.626968	Cannot reject normality
Kurtosis Normality (Class=Study,PHASE=I)	0.9531	0.340518	Cannot reject normality
Omnibus Normality (Class=Study,PHASE=I)	1.1447	0.564205	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.3494	0.029665	Reject equal variances
Modified-Levene Equal-Variance Test	14.2658	0.000180	Reject equal variances

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 Variable PH

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=I	28826	65411	60345	1330.329
Class=Study,PHASE=I	18694	34270	39336	1330.329

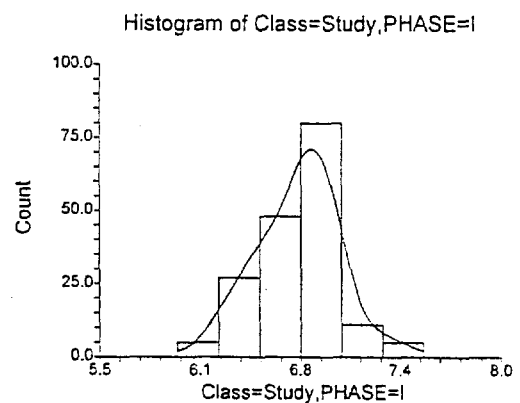
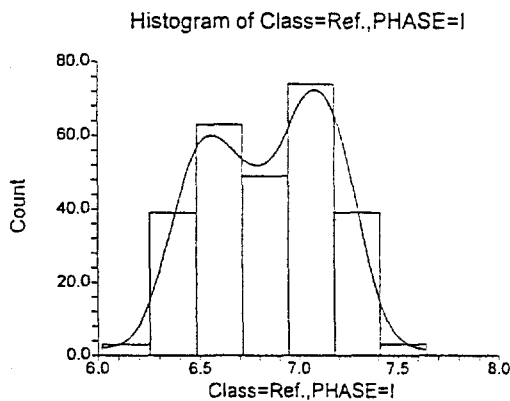
Number Sets of Ties = 97, Multiplicity Factor = 17376

Alternative Hypothesis	Exact Probability		Approximation Without Correction			Approximation With Correction		
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			-3.8081	0.000140	Reject Ho	3.8077	0.000140	Reject Ho
Diff<0			-3.8081	0.999930	Accept Ho	-3.8085	0.999930	Accept Ho
Diff>0			-3.8081	0.000070	Reject Ho	-3.8077	0.000070	Reject Ho

Kolmogorov-Smirnov Test For Different Distributions

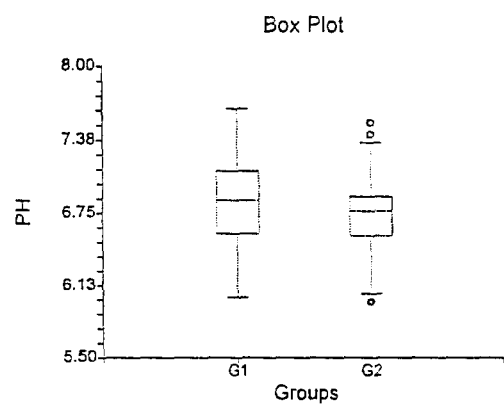
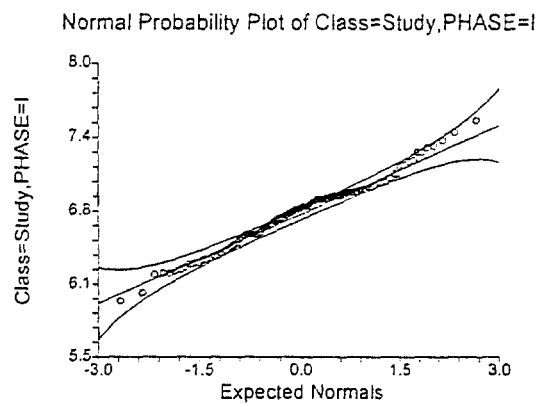
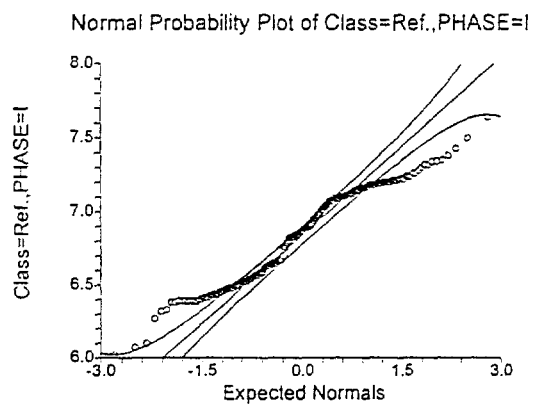
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.297980	0.1318	.050	Reject Ho	
D(1)<D(2)	0.017845	0.1318	.025	Accept Ho	
D(1)>D(2)	0.297980	0.1318	.025	Reject Ho	

Plots Section



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Variable PH



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 Variable PH

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=II	441	6.961474	0.3413814	1.625626E-02	6.929612	6.993336
Class=Study,PHASE=II	151	6.553444	0.390475	3.177641E-02	6.490656	6.616231

Note: T-alpha (Class=Ref.,PHASE=II) = 1.9600, T-alpha (Class=Study,PHASE=II) = 1.9759

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	590	0.4080302	0.3545079	3.342558E-02	0.3425173	0.4735432
Unequal	233.34	0.4080302	0.5186636	3.569322E-02	0.3380728	0.4779876

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	12.2071	0.000000	Reject Ho	1.000000	1.000000
Difference < 0	12.2071	1.000000	Accept Ho	0.000000	0.000000
Difference > 0	12.2071	0.000000	Reject Ho	1.000000	1.000000

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	11.4316	0.000000	Reject Ho	1.000000	1.000000
Difference < 0	11.4316	1.000000	Accept Ho	0.000000	0.000000
Difference > 0	11.4316	0.000000	Reject Ho	1.000000	1.000000

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=II)	1.5369	0.124306	Cannot reject normality
Kurtosis Normality (Class=Ref.,PHASE=II)	-0.4430	0.657758	Cannot reject normality
Omnibus Normality (Class=Ref.,PHASE=II)	2.5585	0.278250	Cannot reject normality
Skewness Normality (Class=Study,PHASE=II)		-0.6213	0.534430 Cannot reject normality
Kurtosis Normality (Class=Study,PHASE=II)	0.8526	0.393873	Cannot reject normality
Omnibus Normality (Class=Study,PHASE=II)	1.1129	0.573237	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.3083	0.045269	Reject equal variances
Modified-Levene Equal-Variance Test	2.3838	0.123134	Cannot reject equal variances

Two-Sample Test Report

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 Variable PH

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

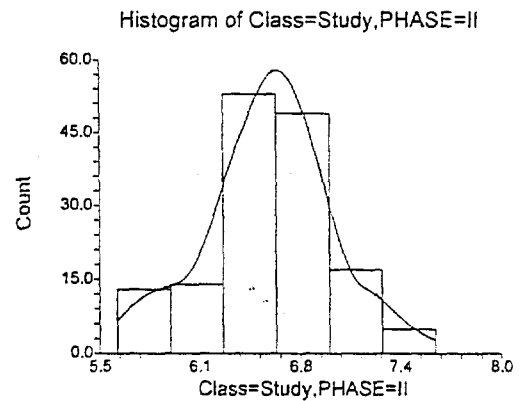
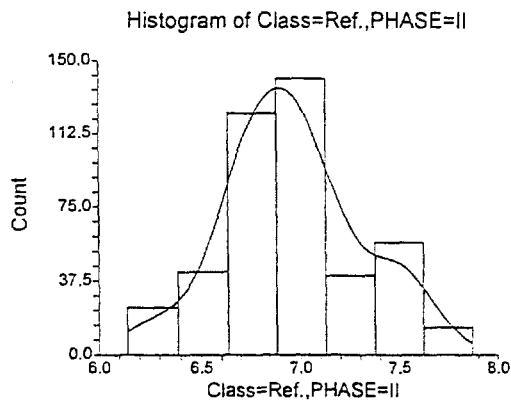
Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=II	52887	150348	130756.5	1813.898
Class=Study,PHASE=II	13704	25180	44771.5	1813.898
Number Sets of Ties = 115, Multiplicity Factor = 30300				

	Exact Probability		Approximation Without Correction		Approximation With Correction			
Alternative Hypothesis	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			-10.8008	0.000000	Reject Ho	10.8005	0.000000	Reject Ho
Diff<0			-10.8008	1.000000	Accept Ho	-10.8010	1.000000	Accept Ho
Diff>0			-10.8008	0.000000	Reject Ho	-10.8005	0.000000	Reject Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.546816	0.1282	.050	Reject Ho	
D(1)<D(2)	0.000000	0.1282	.025	Accept Ho	
D(1)>D(2)	0.546816	0.1282	.025	Reject Ho	

Plots Section



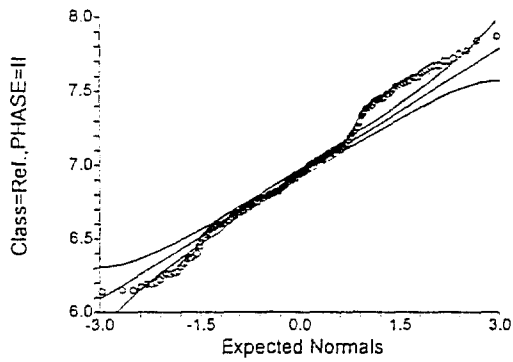
Two-Sample Test Report

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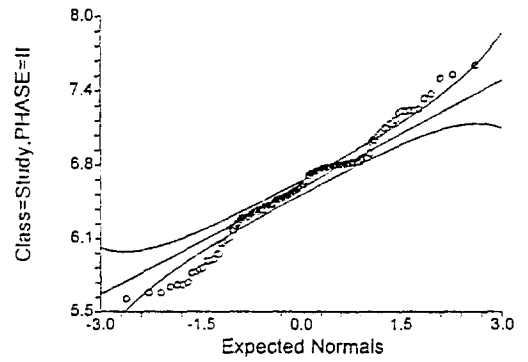
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Variable PH

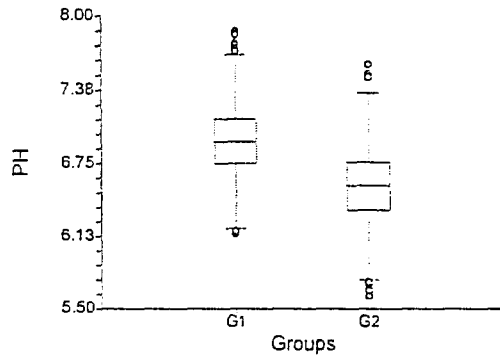
Normal Probability Plot of Class=Ref., PHASE=II



Normal Probability Plot of Class=Study, PHASE=II



Box Plot



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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-epionly.S0
 Variable DO_MG_L_

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=I	270	9.055482	1.462438	8.900113E-02	8.881042	9.22992
Class=Study,PHASE=I	176	9.549148	2.860837	0.2156437	9.12355	9.974745

Note: T-alpha (Class=Ref.,PHASE=I) = 1.9600, T-alpha (Class=Study,PHASE=I) = 1.9736

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	444	-0.4936662	2.126402	0.2060035	-0.8974257	-8.990679E-02
Unequal	235.26	-0.4936662	3.21296	0.2332882	-0.9509028	-3.642976E-02

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-2.3964	0.016970	Reject Ho	0.666862	0.425289
Difference < 0	-2.3964	0.008485	Reject Ho	0.773772	0.528359
Difference > 0	-2.3964	0.991515	Accept Ho	0.000027	0.000001

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-2.1161	0.035385	Reject Ho	0.558661	0.317533
Difference < 0	-2.1161	0.017693	Reject Ho	0.681417	0.418176
Difference > 0	-2.1161	0.982307	Accept Ho	0.000089	0.000005

Difference: (Class=Ref.,PHASE=I)-(Class=Study,PHASE=I)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=I)	4.6592	0.000003	Reject normality
Kurtosis Normality (Class=Ref.,PHASE=I)	4.1547	0.000033	Reject normality
Omnibus Normality (Class=Ref.,PHASE=I)	38.9696	0.000000	Reject normality
Skewness Normality (Class=Study,PHASE=I)	-2.9542	0.003135	Reject normality
Kurtosis Normality (Class=Study,PHASE=I)	0.9872	0.323568	Cannot reject normality
Omnibus Normality (Class=Study,PHASE=I)	9.7019	0.007821	Reject normality
Variance-Ratio Equal-Variance Test	3.8268	0.000000	Reject equal variances
Modified-Levene Equal-Variance Test	96.4320	0.000000	Reject equal variances

Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-epionly.S0
 Variable DO_MG_L_

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=I	23128	59713	60345	1330.428
Class=Study,PHASE=I	24392	39968	39336	1330.428

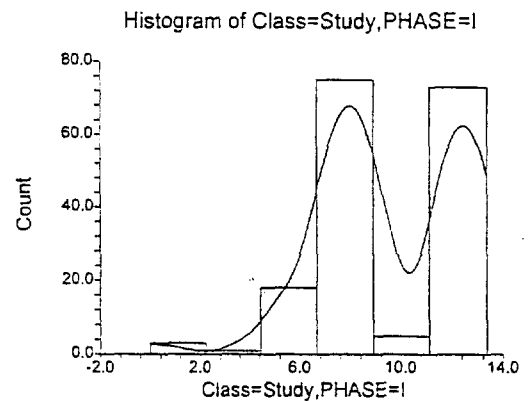
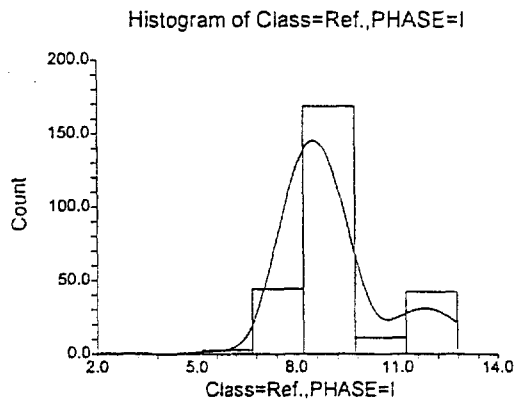
Number Sets of Ties = 97, Multiplicity Factor = 4032

Alternative Hypothesis	Exact Probability		Approximation Without Correction			Approximation With Correction		
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			0.4750	0.634762	Accept Ho	0.4747	0.635030	Accept Ho
Diff<0			0.4750	0.317381	Accept Ho	0.4747	0.317515	Accept Ho
Diff>0			0.4750	0.682619	Accept Ho	0.4754	0.682753	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

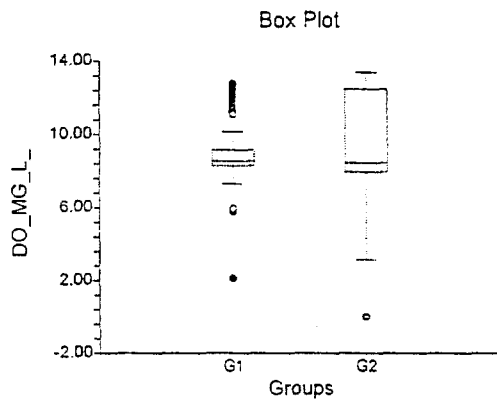
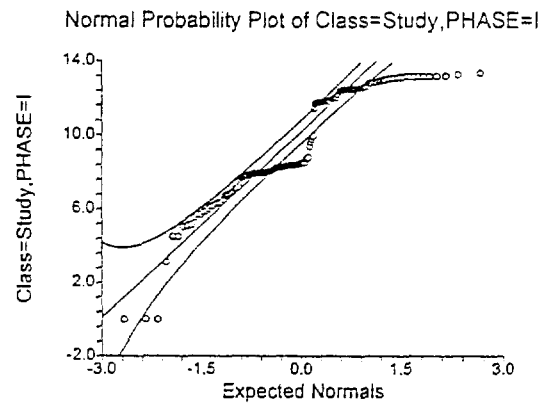
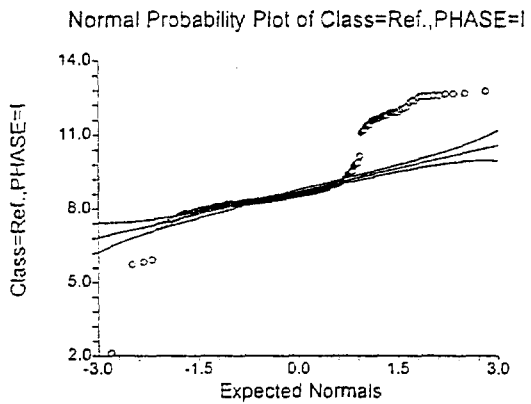
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.311069	0.1318	.050	Reject Ho	
D(1)<D(2)	0.311069	0.1318	.025	Reject Ho	
D(1)>D(2)	0.231524	0.1318	.025	Reject Ho	

Plots Section



Two-Sample Test Report

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Variable DO_MG_L_



Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-epionly.S0
 Variable DO_MG_L_

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,PHASE=II	444	9.237072	0.83042	3.940999E-02	9.15983	9.314314
Class=Study,PHASE=II	151	9.348543	0.9618027	0.0782704	9.193888	9.503198

Note: T-alpha (Class=Ref.,PHASE=II) = 1.9600, T-alpha (Class=Study,PHASE=II) = 1.9759

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	593	-0.111471	0.8655397	8.153903E-02	-0.2712845	4.834258E-02
Unequal	230.68	-0.111471	1.270693	0.0876322	-0.2832269	6.028498E-02

Note: T-alpha (Equal) = 1.9600, T-alpha (Unequal) = 1.9600

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-1.3671	0.172116	Accept Ho	0.277071	0.113421
Difference < 0	-1.3671	0.086058	Accept Ho	0.390596	0.168714
Difference > 0	-1.3671	0.913942	Accept Ho	0.001298	0.000111

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-1.2720	0.204643	Accept Ho	0.244710	0.094667
Difference < 0	-1.2720	0.102321	Accept Ho	0.355708	0.147853
Difference > 0	-1.2720	0.897679	Accept Ho	0.001827	0.000175

Difference: (Class=Ref.,PHASE=II)-(Class=Study,PHASE=II)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,PHASE=II)	1.6600	0.096908	Cannot reject normality
Kurtosis Normality (Class=Ref.,PHASE=II)	1.6357	0.101895	Cannot reject normality
Omnibus Normality (Class=Ref.,PHASE=II)	5.4313	0.066161	Cannot reject normality
Skewness Normality (Class=Study,PHASE=II)	-0.5337	0.593554	Cannot reject normality
Kurtosis Normality (Class=Study,PHASE=II)	-2.3018	0.021345	Reject normality
Omnibus Normality (Class=Study,PHASE=II)	5.5832	0.061322	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.3415	0.028605	Reject equal variances
Modified-Levene Equal-Variance Test	11.7560	0.000649	Reject equal variances

Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-epionly.S0
 Variable DO_MG_L_

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,PHASE=II	31383.5	130173.5	132312	1824.744
Class=Study,PHASE=II	35660.5	47136.5	44998	1824.744

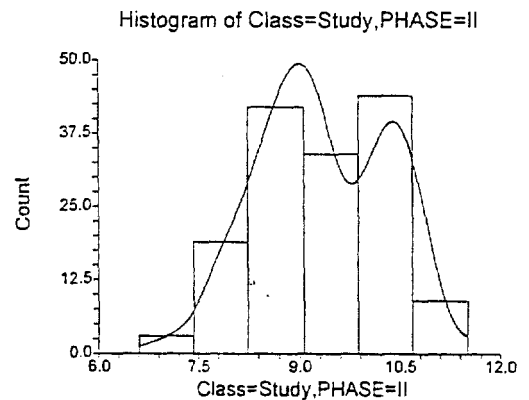
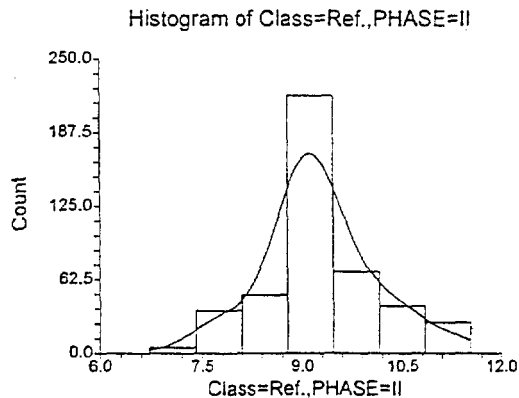
Number Sets of Ties = 144, Multiplicity Factor = 10332

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob	Decision	Z-Value	Prob	Decision	Z-Value	Prob	Decision
	Level	(5%)		Level	(5%)		Level	(5%)
Diff<>0			1.1719	0.241219	Accept Ho	1.1717	0.241329	Accept Ho
Diff<0			1.1719	0.120609	Accept Ho	1.1717	0.120664	Accept Ho
Diff>0			1.1719	0.879391	Accept Ho	1.1722	0.879446	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.211891	0.1281	.050	Reject Ho	
D(1)<D(2)	0.211891	0.1281	.025	Reject Ho	
D(1)>D(2)	0.064182	0.1281	.025	Accept Ho	

Plots Section



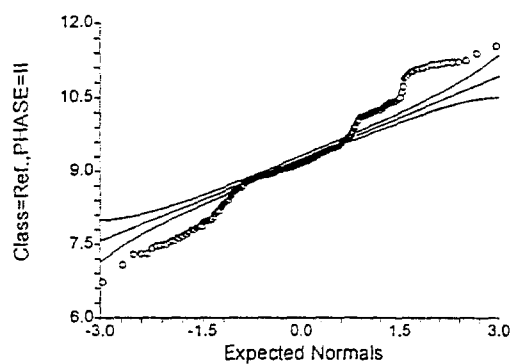
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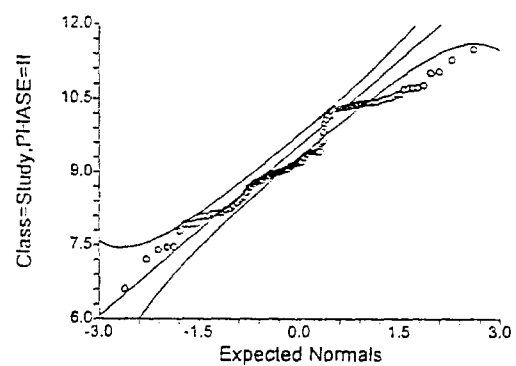
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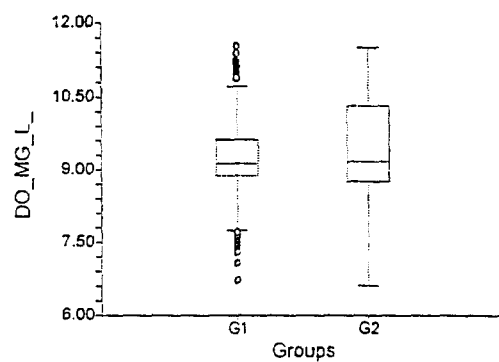
Normal Probability Plot of Class=Ref.,PHASE=II



Normal Probability Plot of Class=Study,PHASE=II



Box Plot



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 Database C:\Program Files\NCSS97\Data\FS12-SW-DOC-epionly.S0
 Variable DOC

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,Phase=I	42	1.959619	1.689107	0.2603348	1.433256	2.485982
Class=Study,Phase=I	28	1.478929	1.840001	0.3477274	0.7654508	2.192406

Note: T-alpha (Class=Ref.,Phase=I) = 2.0195, T-alpha (Class=Study,Phase=I) = 2.0518

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	68	0.4806905	1.750578	0.4270973	-0.3715689	1.33295
Unequal	54.53	0.4806905	2.497736	0.4345629	-0.3903631	1.351744

Note: T-alpha (Equal) = 1.9955, T-alpha (Unequal) = 2.0044

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.1255	0.264341	Accept Ho	0.198641	0.069886
Difference < 0	1.1255	0.867829	Accept Ho	0.002897	0.000302
Difference > 0	1.1255	0.132171	Accept Ho	0.297860	0.110644

Difference: (Class=Ref.,Phase=I)-(Class=Study,Phase=I)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	1.1061	0.273519	Accept Ho	0.192426	0.066562
Difference < 0	1.1061	0.863240	Accept Ho	0.003096	0.000330
Difference > 0	1.1061	0.136760	Accept Ho	0.290329	0.106123

Difference: (Class=Ref.,Phase=I)-(Class=Study,Phase=I)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,Phase=I)	1.1617	0.245341	Cannot reject normality
Kurtosis Normality (Class=Ref.,Phase=I)	-3.1085	0.001880	Reject normality
Omnibus Normality (Class=Ref.,Phase=I)	11.0125	0.004061	Reject normality
Skewness Normality (Class=Study,Phase=I)	4.3342	0.000015	Reject normality
Kurtosis Normality (Class=Study,Phase=I)	3.7301	0.000191	Reject normality
Omnibus Normality (Class=Study,Phase=I)	32.6989	0.000000	Reject normality
Variance-Ratio Equal-Variance Test	1.1866	0.628274	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.8412	0.362292	Cannot reject equal variances

Two-Sample Test Report

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 Variable DOC

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,Phase=I	698.5	1601.5	1491	79.81599
Class=Study,Phase=I	477.5	883.5	994	79.81599

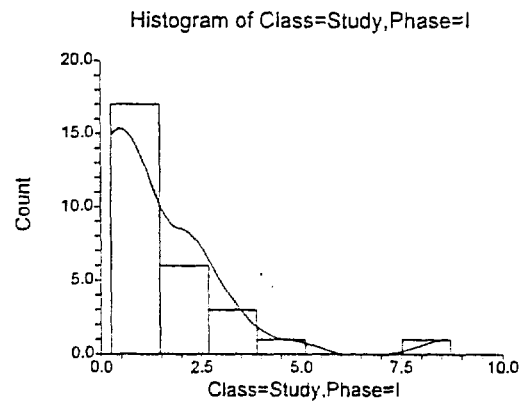
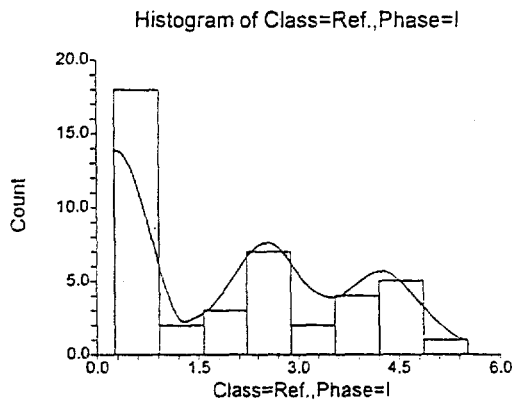
Number Sets of Ties = 6, Multiplicity Factor = 29790

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob	Decision	Z-Value	Prob	Decision	Prob	Decision	
	Level	(5%)		Level	(5%)	Level	(5%)	
Diff<=>0			-1.3844	0.166225	Accept Ho	1.3782	0.168151	Accept Ho
Diff<0			-1.3844	0.916887	Accept Ho	-1.3907	0.917842	Accept Ho
Diff>0			-1.3844	0.083113	Accept Ho	-1.3782	0.084075	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

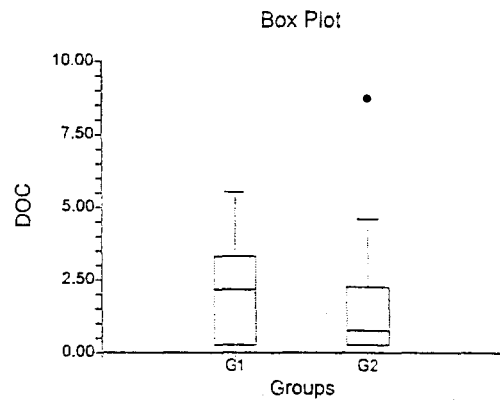
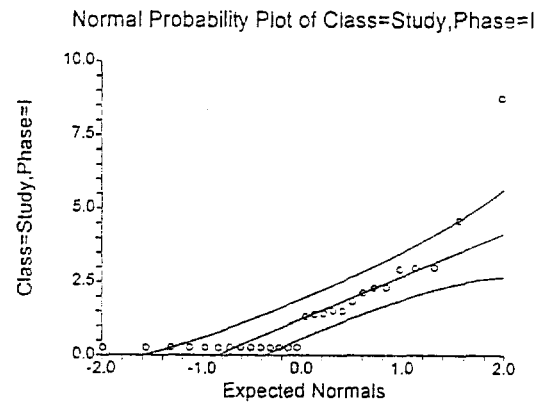
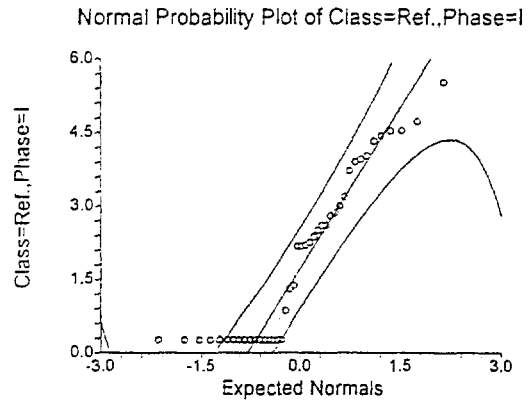
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.273810	0.3318	.050	Accept Ho	0.1420
D(1)<D(2)	0.035714	0.3318	.025	Accept Ho	
D(1)>D(2)	0.273810	0.3318	.025	Accept Ho	

Plots Section



Two-Sample Test Report

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Variable DOC



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 Variable DOC

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Class=Ref.,Phase=II	65	2.027231	1.021125	0.126655	1.774208	2.280253
Class=Study,Phase=II	34	1.917941	0.87108	0.149389	1.614007	2.221875

Note: T-alpha (Class=Ref.,Phase=II) = 1.9977, T-alpha (Class=Study,Phase=II) = 2.0345

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	97	0.1092896	0.9726799	0.2058692	-0.2993038	0.517883
Unequal	76.98	0.1092896	1.342191	0.1958534	-0.2807058	0.499285

Note: T-alpha (Equal) = 1.9847, T-alpha (Unequal) = 1.9913

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.5309	0.596723	Accept Ho	0.082205	0.020965
Difference < 0	0.5309	0.701639	Accept Ho	0.014926	0.002187
Difference > 0	0.5309	0.298361	Accept Ho	0.131852	0.035707

Difference: (Class=Ref.,Phase=II)-(Class=Study,Phase=II)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.5580	0.578452	Accept Ho	0.085454	0.022092
Difference < 0	0.5580	0.710774	Accept Ho	0.013975	0.002022
Difference > 0	0.5580	0.289226	Accept Ho	0.137476	0.037698

Difference: (Class=Ref.,Phase=II)-(Class=Study,Phase=II)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Class=Ref.,Phase=II)	-0.1900	0.849316	Cannot reject normality
Kurtosis Normality (Class=Ref.,Phase=II)	0.4362	0.662695	Cannot reject normality
Omnibus Normality (Class=Ref.,Phase=II)	0.2264	0.892988	Cannot reject normality
Skewness Normality (Class=Study,Phase=II)	-1.3533	0.175951	Cannot reject normality
Kurtosis Normality (Class=Study,Phase=II)	0.2773	0.781521	Cannot reject normality
Omnibus Normality (Class=Study,Phase=II)	1.9084	0.385118	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.3742	0.298275	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.7322	0.394287	Cannot reject equal variances

Two-Sample Test Report

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 Variable DOC

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Class=Ref.,Phase=II	1184	3329	3250	135.4693
Class=Study,Phase=II	1026	1621	1700	135.4693

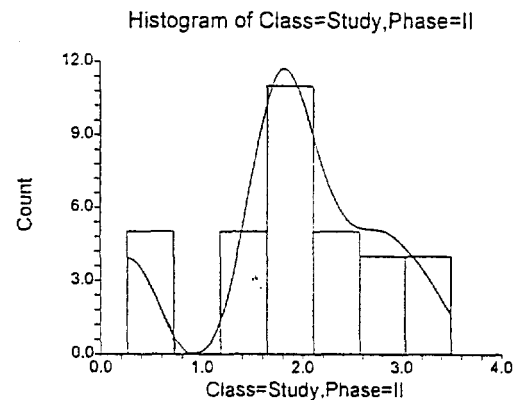
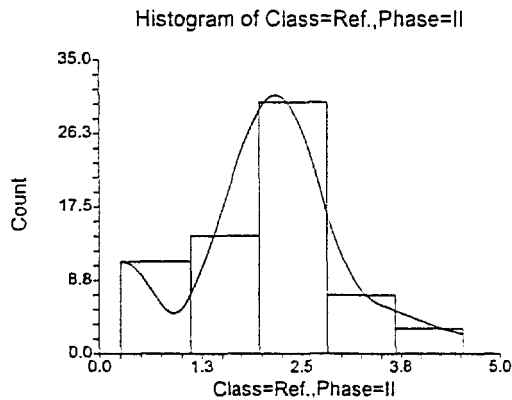
Number Sets of Ties = 15, Multiplicity Factor = 3480

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob	Decision		Prob	Decision	Prob	Decision	
	Level	(5%)	Z-Value	Level	(5%)	Z-Value	Level	(5%)
Diff<>0			-0.5832	0.559787	Accept Ho	0.5795	0.562274	Accept Ho
Diff<0			-0.5832	0.720107	Accept Ho	-0.5868	0.721347	Accept Ho
Diff>0			-0.5832	0.279893	Accept Ho	-0.5795	0.281137	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

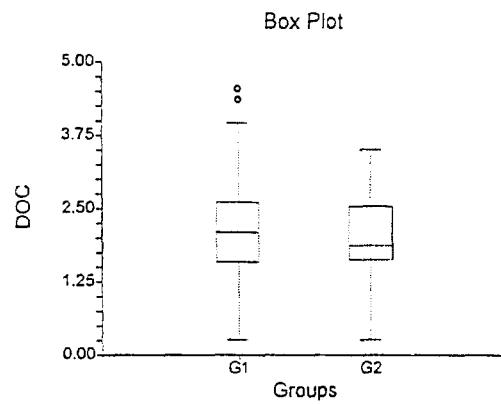
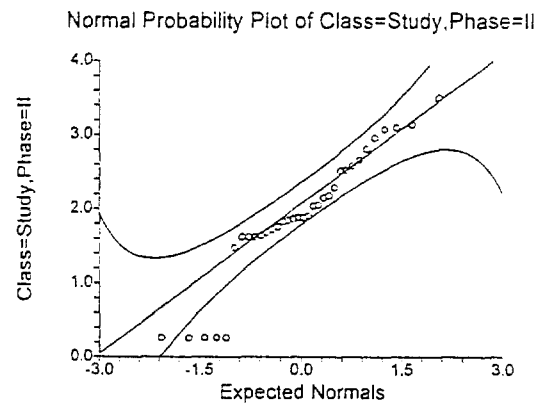
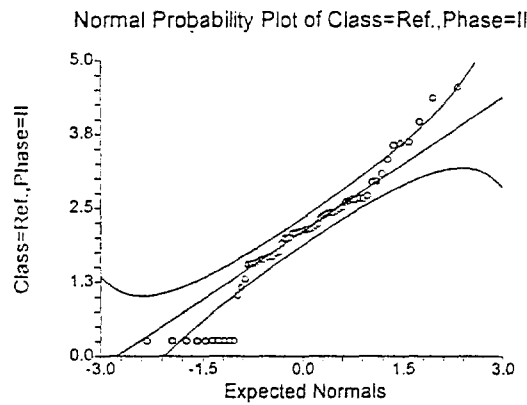
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.186878	0.2878	.050	Accept Ho	0.3609
D(1)<D(2)	0.085068	0.2878	.025	Accept Ho	
D(1)>D(2)	0.186878	0.2878	.025	Accept Ho	

Plots Section



Two-Sample Test Report

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Analysis of Variance Report

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 Response TEMP_C_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-6.5960	0.000000	Reject
Kurtosis Normality of Residuals	-3.3514	0.000804	Reject
Omnibus Normality of Residuals	54.7390	0.000000	Reject
Modified-Levene Equal-Variance Test	103.6013	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: SEASON	S(A)	2	Yes	S(A)	S+sA
S(A)		1234	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: SEASON		2	18126.1	9063.051	526.50	0.000000*	1.000000
S(A)		1234	21241.78	17.21376			
Total (Adjusted)		1236	39367.88				
Total		1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	672.4466	0.000000	Reject Ho
Corrected for Ties	2	672.4499	0.000000	Reject Ho
Number Sets of Ties	272			
Multiplicity Factor	9312			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	416	172759.50	415.29	-14.2766	17.825
Spring	317	121064.00	381.91	-13.7021	16.12
Summer	504	471879.50	936.27	25.9013	24.06

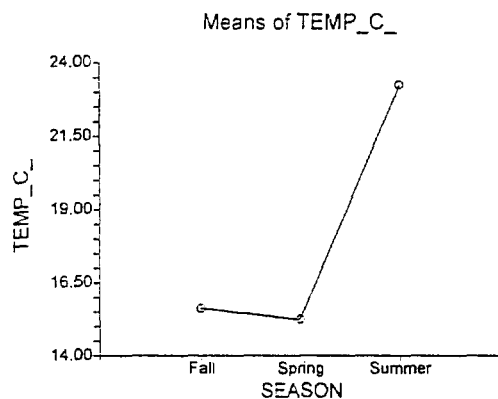
Analysis of Variance Report

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 Response TEMP_C_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	18.62938		4.373978E-02
A: SEASON				
Fall	416	15.6219	0.2034189	15.57816
Spring	317	15.24174	0.2330281	15.198
Summer	504	23.24248	0.1848088	23.19874

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: TEMP_C_
 Term A: SEASON

Alpha=0.050 Error Term=S(A) DF=1234 MSE=17.21376 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Spring	317	15.24174	Summer
Fall	416	15.6219	Summer
Summer	504	23.24248	Spring, Fall

Analysis of Variance Report

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Response TEMP_C_

Kruskal-Wallis Multiple-Comparison Z-Value Test

TEMP_C_	Fall	Spring	Summer
Fall	0.0000	1.2534	22.0159
Spring	1.2534	0.0000	21.6478
Summer	22.0159	21.6478	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Response TEMP_C_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-7.9113	0.000000	Reject
Kurtosis Normality of Residuals	-12.0302	0.000000	Reject
Omnibus Normality of Residuals	207.3149	0.000000	Reject
Modified-Levene Equal-Variance Test	32.8320	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: LIMNION		1	Yes	S(A)	S+sA
S(A)		1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: LIMNION		1	1407.68	1407.68	45.80	0.000000*	0.999999
S(A)		1235	37960.2	30.73701			
Total (Adjusted)		1236	39367.88				
Total		1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	53.84394	0.000000	Reject Ho
Corrected for Ties	1	53.8442	0.000000	Reject Ho

Number Sets of Ties 272
 Multiplicity Factor 9312

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
E	1041	678045.00	651.34	7.3378	20.93
H	196	87658.00	447.23	-7.3378	15.305

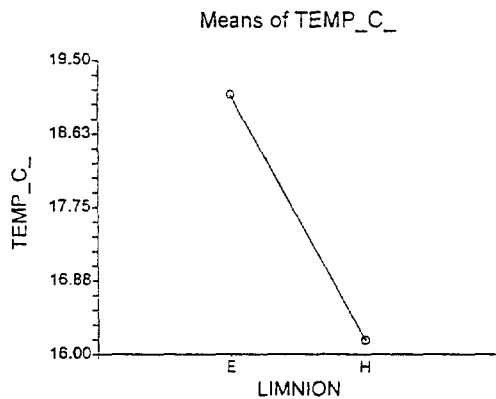
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-temp-ANOVA.S0
 Response TEMP_C_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	18.62938		2.850702E-02
A: LIMNION				
E	1041	19.09227	0.1718325	19.06376
H	196	16.17092	0.3960069	16.14241

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: TEMP_C_
 Term A: LIMNION

Alpha=0.050 Error Term=S(A) DF=1235 MSE=30.73701 Critical Value=1.959964

Group	Count	Mean	Different From Groups
H	196	16.17092	E
E	1041	19.09227	H

Kruskal-Wallis Multiple-Comparison Z-Value Test

TEMP_C_	E	H
E	0.0000	7.3379
H	7.3379	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response TEMP_C_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-8.3962	0.000000	Reject
Kurtosis Normality of Residuals	-9.1680	0.000000	Reject
Omnibus Normality of Residuals	154.5485	0.000000	Reject
Modified-Levene Equal-Variance Test	11.5100	0.000714	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: PHASE		1	Yes	S(A)	S+sA
S(A)		1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: PHASE	1	1063.211	1063.211	34.28	0.000000*	0.999950
S(A)	1235	38304.67	31.01593			
Total (Adjusted)	1236	39367.88				
Total	1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	62.1987	0.000000	Reject Ho
Corrected for Ties	1	62.199	0.000000	Reject Ho
Number Sets of Ties	272			
Multiplicity Factor	9312			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	512	365733.00	714.32	7.8866	23.355
II	725	399970.00	551.68	-7.8866	18.09

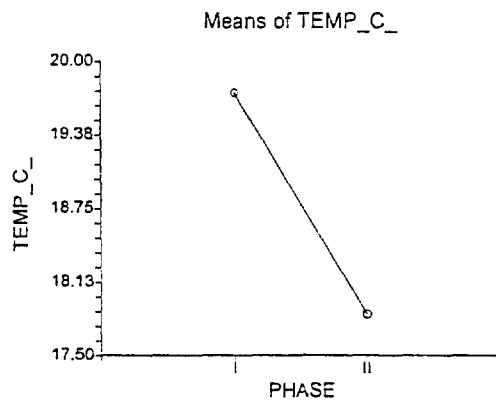
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-temp-ANOVA.S0
 Response TEMP_C_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	18.62938		3.038228E-02
A: PHASE				
I	512	19.7326	0.246126	19.70222
II	725	17.85029	0.2068347	17.81991

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: TEMP_C_
 Term A: PHASE

Alpha=0.050 Error Term=S(A) DF=1235 MSE=31.01593 Critical Value=1.959964

Group	Count	Mean	Different From Groups
II	725	17.85029	I
I	512	19.7326	II

Kruskal-Wallis Multiple-Comparison Z-Value Test

TEMP_C_	I	II
I	0.0000	7.8866
II	7.8866	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-temp-ANOVA.S0
 Response TEMP_C_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-5.4078	0.000000	Reject
Kurtosis Normality of Residuals	-38.1829	0.000000	Reject
Omnibus Normality of Residuals	1487.1806	0.000000	Reject
Modified-Levene Equal-Variance Test	29.8648	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Class		1	Yes	S(A)	S+sA
S(A)		1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Class		1	553.504	553.504	17.61	0.000029*	0.987238
S(A)		1235	38814.38	31.42865			
Total (Adjusted)		1236	39367.88				
Total		1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	15.27116	0.000093	Reject Ho
Corrected for Ties	1	15.27124	0.000093	Reject Ho
Number Sets of Ties	272			
Multiplicity Factor	9312			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	880	566967.50	644.28	3.9078	20.08
Study	357	198735.50	556.68	-3.9078	19.41

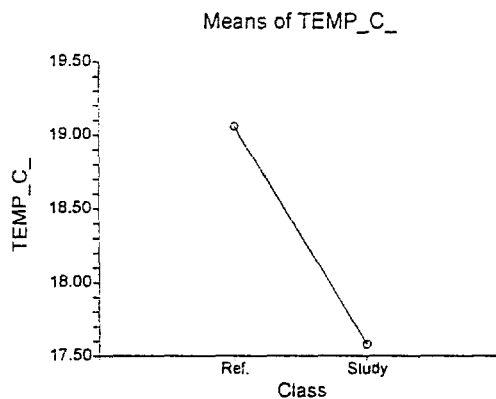
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-temp-ANOVA.S0
 Response TEMP_C_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	18.62938		2.961569E-02
A: Class				
Ref.	880	19.05544	0.1889825	19.02583
Study	357	17.57916	0.2967077	17.54954

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: TEMP_C_
 Term A: Class

Alpha=0.050 Error Term=S(A) DF=1235 MSE=31.42865 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Study	357	17.57916	Ref.
Ref.	880	19.05544	Study

Kruskal-Wallis Multiple-Comparison Z-Value Test

TEMP_C_	Ref.	Study
Ref.	0.0000	3.9078
Study	3.9078	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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Response PH

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-9.5742	0.000000	Reject
Kurtosis Normality of Residuals	6.0374	0.000000	Reject
Omnibus Normality of Residuals	128.1155	0.000000	Reject
Modified-Levene Equal-Variance Test	64.5722	0.000000	Reject

Expected Mean Squares Section

Source	DF	Term	Denominator Term	Expected Mean Square
A: SEASON	2	Yes	S(A)	S+sA
S(A)	1231	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: SEASON	2	10.19372	5.096861	32.94	0.000000*	1.000000
S(A)	1231	190.4827	0.1547381			
Total (Adjusted)	1233	200.6764				
Total	1234					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	75.86696	0.000000	Reject Ho
Corrected for Ties	2	75.87389	0.000000	Reject Ho
Number Sets of Ties	152			
Multiplicity Factor	171648			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	413	212565.00	514.69	-7.1881	6.75
Spring	317	236597.50	746.36	7.4685	6.96
Summer	504	312832.50	620.70	0.2620	6.855

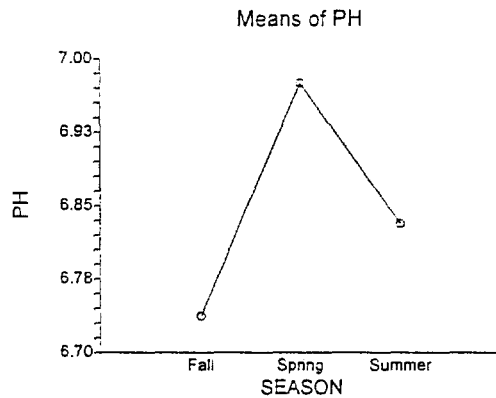
Analysis of Variance Report

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 Database H:\FS 12\SWFS12-SW-pH-ANOVA.S0
 Response PH

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1234	6.837026		1.664866E-02
A: SEASON				
Fall	413	6.737337	1.935636E-02	6.720688
Spring	317	6.975457	2.209373E-02	6.958809
Summer	504	6.831647	1.752199E-02	6.814998

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: PH
 Term A: SEASON

Alpha=0.050 Error Term=S(A) DF=1231 MSE=0.1547381 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Fall	413	6.737337	Summer, Spring
Summer	504	6.831647	Fall, Spring
Spring	317	6.975457	Fall, Summer

Analysis of Variance Report

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Response PH

Kruskal-Wallis Multiple-Comparison Z-Value Test

PH	Fall	Spring	Summer
Fall	0.0000	8.7066	4.4822
Spring	8.7066	0.0000	4.9193
Summer	4.4822	4.9193	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Response PH

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-5.8498	0.000000	Reject
Kurtosis Normality of Residuals	4.4421	0.000009	Reject
Omnibus Normality of Residuals	53.9520	0.000000	Reject
Modified-Levene Equal-Variance Test	97.9595	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: LIMNION		1	Yes	S(A)	S+sA
S(A)		1232	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: LIMNION		1	0.0854279	0.0854279	0.52	0.468987	0.111837
S(A)		1232	200.591	0.1628173			
Total (Adjusted)		1233	200.6764				
Total		1234					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	5.41549	0.019959	Reject Ho
Corrected for Ties	1	5.415985	0.019953	Reject Ho

Number Sets of Ties 152
 Multiplicity Factor 171648

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
E	1038	630316.50	607.24	-2.3271	6.83
H	196	131678.50	671.83	2.3271	6.955

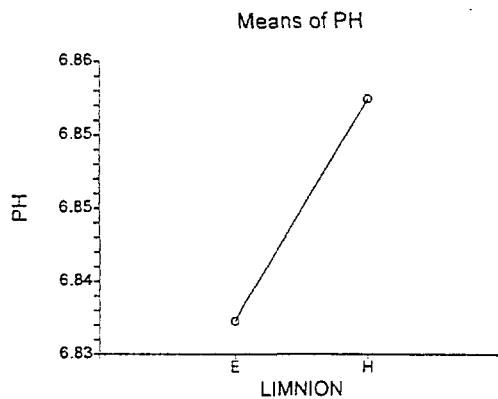
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-pH-ANOVA.S0
 Response PH

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1234	6.837026		1.109367E-02
A: LIMNION				
E	1038	6.83341	1.252425E-02	6.822317
H	196	6.856174	2.882188E-02	6.84508

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: PH
 Term A: LIMNION

Alpha=0.050 Error Term=S(A) DF=1232 MSE=0.1628173 Critical Value=1.959964

Group	Count	Mean	Different From Groups
E	1038	6.83341	
H	196	6.856174	

Kruskal-Wallis Multiple-Comparison Z-Value Test

PH	E	H
E	0.0000	2.3272
H	2.3272	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response PH

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-6.4787	0.000000	Reject
Kurtosis Normality of Residuals	4.6508	0.000003	Reject
Omnibus Normality of Residuals	63.6038	0.000000	Reject
Modified-Levene Equal-Variance Test	28.7610	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: PHASE		1	Yes	S(A)	S+SA
S(A)		1232	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: PHASE		1	1.457765	1.457765	9.02	0.002732*	0.850877
S(A)		1232	199.2186	0.1617034			
Total (Adjusted)		1233	200.6764				
Total		1234					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	12.12536	0.000497	Reject Ho
Corrected for Ties	1	12.12647	0.000497	Reject Ho

Number Sets of Ties 152
 Multiplicity Factor 171648

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	512	294682.00	575.55	-3.4821	6.83
II	722	467313.00	647.25	3.4821	6.85

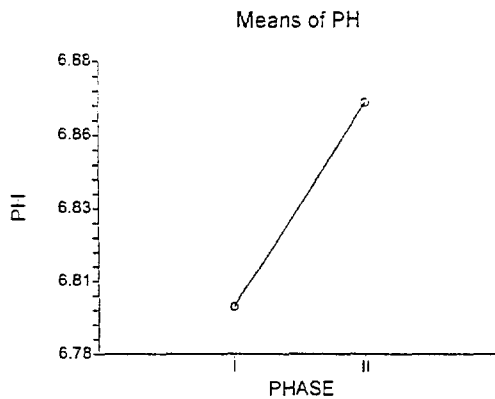
Analysis of Variance Report

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 Response PH

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1234	6.837026		1.107146E-02
A: PHASE				
I	512	6.796211	1.777152E-02	6.78514
II	722	6.86597	1.496549E-02	6.854898

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: PH
 Term A: PHASE

Alpha=0.050 Error Term=S(A) DF=1232 MSE=0.1617034 Critical Value=1.959964

Group	Count	Mean	Different From Groups
I	512	6.796211	II
II	722	6.86597	I

Kruskal-Wallis Multiple-Comparison Z-Value Test

PH	I	II
I	0.0000	3.4823
II	3.4823	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-pH-ANOVA.S0
 Response PH

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-5.0870	0.000000	Reject
Kurtosis Normality of Residuals	2.7838	0.005373	Reject
Omnibus Normality of Residuals	33.6265	0.000000	Reject
Modified-Levene Equal-Variance Test	0.1648	0.684889	Accept

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Class		1	Yes	S(A)	S+sA
S(A)		1232	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Class	1	27.14442	27.14442	192.71	0.000000*	1.000000
S(A)	1232	173.532	0.1408539			
Total (Adjusted)	1233	200.6764				
Total	1234					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	160.8209	0.000000	Reject Ho
Corrected for Ties	1	160.8356	0.000000	Reject Ho

Number Sets of Ties 152
 Multiplicity Factor 171648

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	877	613533.50	699.58	12.6815	6.93
Study	357	148461.50	415.86	-12.6815	6.68

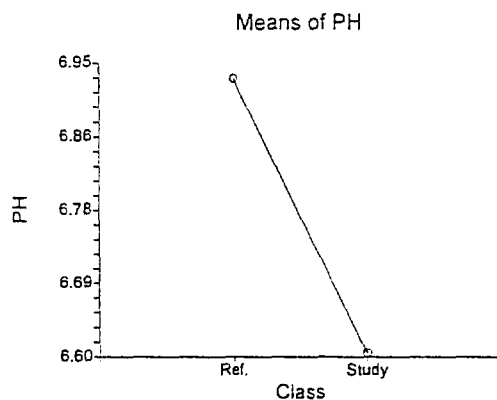
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-pH-ANOVA.S0
 Response PH

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1234	6.837026		1.096938E-02
A: Class				
Ref.	877	6.931653	1.267315E-02	6.920684
Study	357	6.604566	1.986325E-02	6.593596

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: PH
 Term A: Class

Alpha=0.050 Error Term=S(A) DF=1232 MSE=0.1408539 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Study	357	6.604566	Ref.
Ref.	877	6.931653	Study

Kruskal-Wallis Multiple-Comparison Z-Value Test

PH	Ref.	Study
Ref.	0.0000	12.6821
Study	12.6821	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-19.3238	0.000000	Reject
Kurtosis Normality of Residuals	13.8464	0.000000	Reject
Omnibus Normality of Residuals	565.1336	0.000000	Reject
Modified-Levene Equal-Variance Test	0.9899	0.371921	Accept

Expected Mean Squares Section

Source	Term	Denominator	Expected Mean Square
Term	DF	Fixed?	Term
A: SEASON	2	Yes	S(A)
S(A)	1234	No	S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Sum of	Mean	Prob	Power
Term	DF	Squares	Level	(Alpha=0.05)
A: SEASON	2	1202.993	173.17	0.000000*
S(A)	1234	4286.355		1.000000
Total (Adjusted)	1236	5489.348		
Total	1237			

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	546.7873	0.000000	Reject Ho
Corrected for Ties	2	546.7946	0.000000	Reject Ho

Number Sets of Ties 282
 Multiplicity Factor 25086

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	416	299792.00	720.65	7.1241	9.2
Spring	317	290885.00	917.62	17.2577	10.46
Summer	504	175026.00	347.27	-22.1832	8.31

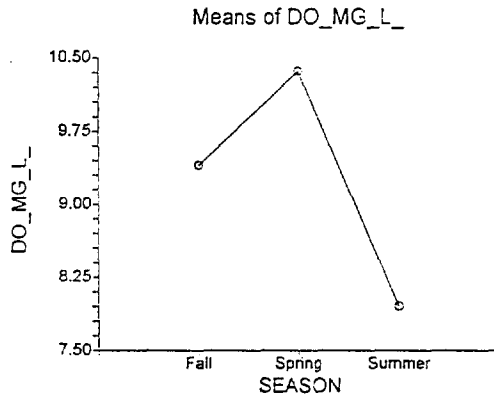
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	9.058076		2.240759E-02
A: SEASON				
Fall	416	9.40214	9.137762E-02	9.379732
Spring	317	10.36224	0.1046783	10.33983
Summer	504	7.95381	0.0830178	7.931402

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO_MG_L_
 Term A: SEASON

Alpha=0.050 Error Term=S(A) DF=1234 MSE=3.473545 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Summer	504	7.95381	Fall, Spring
Fall	416	9.40214	Summer, Spring
Spring	317	10.36224	Summer, Fall

Analysis of Variance Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
Response DO_MG_L_

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO_MG_L_	Fall	Spring	Summer
Fall	0.0000	7.3954	15.7786
Spring	7.3954	0.0000	22.2720
Summer	15.7786	22.2720	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-11.5738	0.000000	Reject
Kurtosis Normality of Residuals	9.9718	0.000000	Reject
Omnibus Normality of Residuals	233.3886	0.000000	Reject
Modified-Levene Equal-Variance Test	218.7562	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: LIMNION	1	1	Yes	S(A)	S+sA
S(A)	1235	1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: LIMNION	1	264.9823	264.9823	62.64	0.000000*	1.000000
S(A)	1235	5224.366	4.230256			
Total (Adjusted)	1236	5489.348				
Total	1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.1124472	0.737375	Accept Ho
Corrected for Ties	1	0.1124487	0.737373	Accept Ho

Number Sets of Ties 282
 Multiplicity Factor 25086

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
E	1041	645917.50	620.48	0.3353	9.02
H	196	119785.50	611.15	-0.3353	9.46

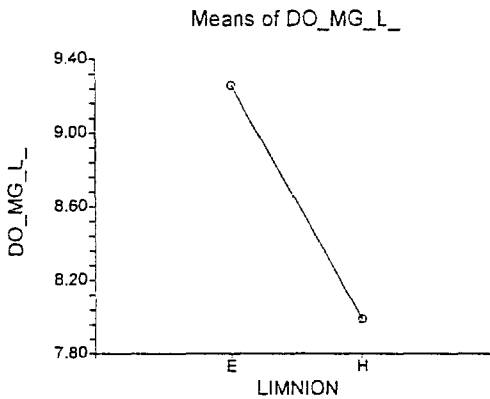
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	9.058076		0.0139453
A: LIMNION				
E	1041	9.258904	6.374674E-02	9.24496
H	196	7.991428	0.1469113	7.977483

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO_MG_L_
 Term A: LIMNION

Alpha=0.050 Error Term=S(A) DF=1235 MSE=4.230256 Critical Value=1.959964

Group	Count	Mean	Different From Groups
H	196	7.991428	E
E	1041	9.258904	H

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO_MG_L_	E	H
E	0.0000	0.3353
H	0.3353	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response DO_MG_L_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-16.2297	0.000000	Reject
Kurtosis Normality of Residuals	12.0461	0.000000	Reject
Omnibus Normality of Residuals	408.5109	0.000000	Reject
Modified-Levene Equal-Variance Test	47.8256	0.000000	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: PHASE	1	1	Yes	S(A)	S+sA
S(A)	1235	1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Fower (Alpha=0.05)
A: PHASE	1	1	0.6962935	0.6962935	0.16	0.692307	0.068105
S(A)	1235	1235	5488.652	4.444252			
Total (Adjusted)	1236	1236	5489.348				
Total	1237	1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	24.5221	0.000001	Reject Ho
Corrected for Ties	1	24.52243	0.000001	Reject Ho

Number Sets of Ties 282
 Multiplicity Factor 25086

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	512	286283.50	559.15	-4.9520	8.565
II	725	479419.50	661.27	4.9520	9.19

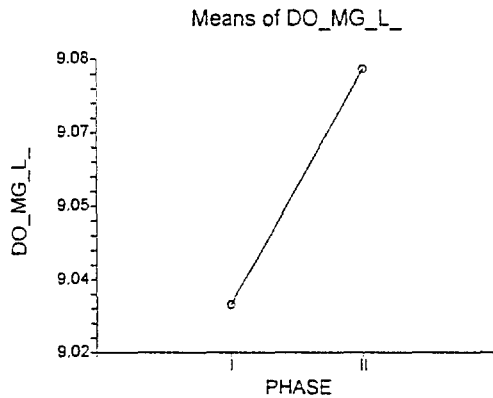
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	9.058076		1.463853E-02
A: PHASE				
I	512	9.029843	9.316748E-02	9.015205
II	725	9.078013	7.829434E-02	9.063375

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO_MG_L_
 Term A: PHASE

Alpha=0.050 Error Term=S(A) DF=1235 MSE=4.444252 Critical Value=1.959964

Group	Count	Mean	Different From Groups
I	512	9.029843	
II	725	9.078013	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO_MG_L_	I	II
I	0.0000	4.9520
II	4.9520	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
 Response DO_MG_L_

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	-16.5876	0.000000	Reject
Kurtosis Normality of Residuals	12.0805	0.000000	Reject
Omnibus Normality of Residuals	421.0874	0.000000	Reject
Modified-Levene Equal-Variance Test	45.1306	0.000000	Reject

Expected Mean Squares Section

Source		Term	Denominator	Expected
Term	DF	Fixed?	Term	Mean Square
A: Class	1	Yes	S(A)	S+sA
S(A)	1235	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source		Sum of	Mean		Prob	Power
Term	DF	Squares	Square	F-Ratio	Level	(Alpha=0.05)
A: Class	1	10.06022	10.06022	2.27	0.132367	0.324709
S(A)	1235	5479.288	4.43667			
Total (Adjusted)	1236	5489.348				
Total	1237					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.7130965	0.398418	Accept Ho
Corrected for Ties	1	0.7131059	0.398415	Accept Ho
Number Sets of Ties	282			
Multiplicity Factor	25086			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	880	539912.50	613.54	-0.8445	9.03
Study	357	225790.50	632.47	0.8445	9.04

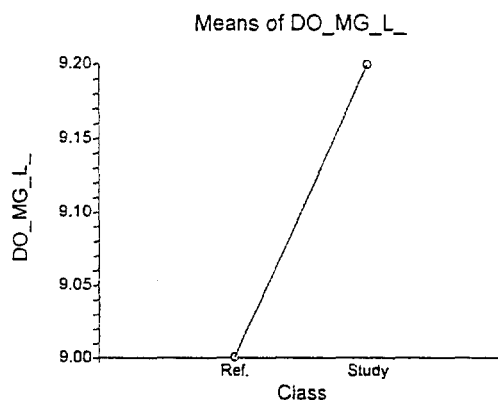
Analysis of Variance Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-DO-ANOVA.S0
Response DO_MG_L_

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	1237	9.058076		1.471326E-02
A: Class				
Ref.	880	9.000636	7.100473E-02	8.985923
Study	357	9.199664	0.1114794	9.184951

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DO_MG_L_
Term A: Class

Alpha=0.050 Error Term=S(A) DF=1235 MSE=4.43667 Critical Value=1.959964

Group	Count	Mean	Different From Groups
Ref.	880	9.000636	
Study	357	9.199664	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DO_MG_L_	Ref.	Study
Ref.	0.0000	0.8445
Study	0.8445	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response Result DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	3.4663	0.000528	Reject
Kurtosis Normality of Residuals	3.7567	0.000172	Reject
Omnibus Normality of Residuals	26.1278	0.000002	Reject
Modified-Levene Equal-Variance Test	13.7577	0.000003	Reject

Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Season	S(A)	2	Yes	S(A)	S+sA
		182	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season		2	10.93998	5.469989	3.16	0.044779*	0.600239
	S(A)	182	315.0802	1.73121			
Total (Adjusted)		184	326.0202				
Total		185					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	8.088017	0.017527	Reject Ho
Corrected for Ties	2	8.241389	0.016233	Reject Ho
Number Sets of Ties	24			
Multiplicity Factor	117828			

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	57	5339.00	93.67	0.1130	2.09
Spring	51	3885.00	76.18	-2.6362	1.74
Summer	77	7981.00	103.65	2.2840	2.28

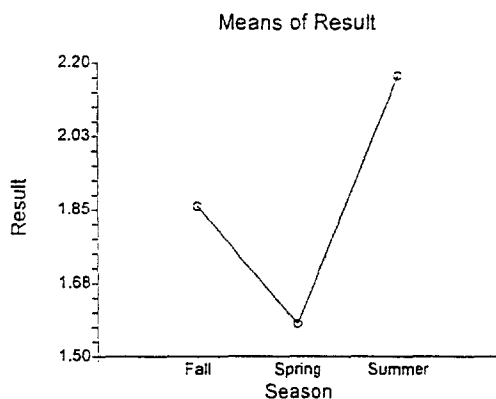
Analysis of Variance Report

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 Database H:\FS 12\SWMFS12-SW-DOC-ANOVA.S0
 Response Result

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	185	1.910238		3.029715E-02
A: Season				
Fall	57	1.858246	0.1742759	1.827948
Spring	51	1.577843	0.1842425	1.547546
Summer	77	2.168883	0.1499441	2.138586

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: Result
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=182 MSE=1.73121 Critical Value=1.973084

Group	Count	Mean	Different From Groups
Spring	51	1.577843	Summer
Fall	57	1.858246	
Summer	77	2.168883	Spring

Analysis of Variance Report

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Response Result

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	Fall	Spring	Summer
Fall	0.0000	1.7105	1.0770
Spring	1.7105	0.0000	2.8685
Summer	1.0770	2.8685	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

Analysis of Variance Report

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 Response DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	4.6512	0.000003	Reject
Kurtosis Normality of Residuals	4.0923	0.000043	Reject
Omnibus Normality of Residuals	38.3809	0.000000	Reject
Modified-Levene Equal-Variance Test	2.4012	0.122971	Accept

Expected Mean Squares Section

Source	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Limnion	1	Yes	S(A)	S+sA
S(A)	183	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Limnion	1	0.9971378	0.9971378	0.56	0.454649	0.115670
S(A)	183	325.023	1.776082			
Total (Adjusted)	184	326.0202				
Total	185					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0.4257774	0.514068	Accept Ho
Corrected for Ties	1	0.4338514	0.510105	Accept Ho

Number Sets of Ties 24
 Multiplicity Factor 117828

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
E	154	14144.50	91.85	-0.6525	2
H	31	3060.50	98.73	0.6525	2.02

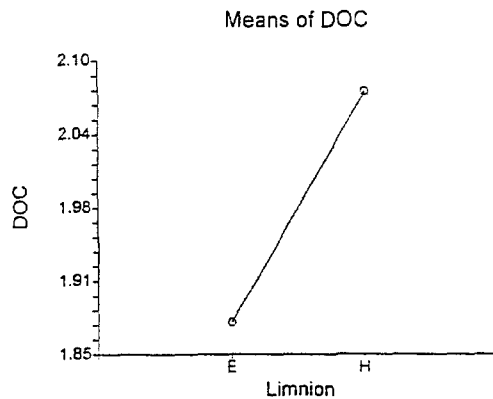
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DOC-ANOVA.S0
 Response DOC

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	185	1.910238		2.135767E-02
A: Limnion				
E	154	1.877299	0.1073918	1.855941
H	31	2.073871	0.2393595	2.052513

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DOC
 Term A: Limnion

Alpha=0.050 Error Term=S(A) DF=183 MSE=1.776082 Critical Value=1.973012

Group	Count	Mean	Different From Groups
E	154	1.877299	
H	31	2.073871	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DOC	E	H
E	0.0000	0.6587
H	0.6587	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	5.2943	0.000000	Reject
Kurtosis Normality of Residuals	4.4502	0.000009	Reject
Omnibus Normality of Residuals	47.8341	0.000000	Reject
Modified-Levene Equal-Variance Test	30.3080	0.000000	Reject

Expected Mean Squares Section

Source		Term	Denominator	Expected
Term	DF	Fixed?	Term	Mean Square
A: Phase	1	Yes	S(A)	S+sA
S(A)	183	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source		Sum of	Mean		Prob	Power
Term	DF	Squares	Square	F-Ratio	Level	(Alpha=0.05)
A: Phase	1	3.234127	3.234127	1.83	0.177378	0.270417
S(A)	183	322.786	1.763858			
Total (Adjusted)	184	326.0202				
Total	185					

* Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	4.605544	0.031869	Reject Ho
Corrected for Ties	1	4.692878	0.030288	Reject Ho

Number Sets of Ties 24
 Multiplicity Factor 117828

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	76	6299.00	82.88	-2.1461	1.375
II	109	10906.00	100.06	2.1461	2.08

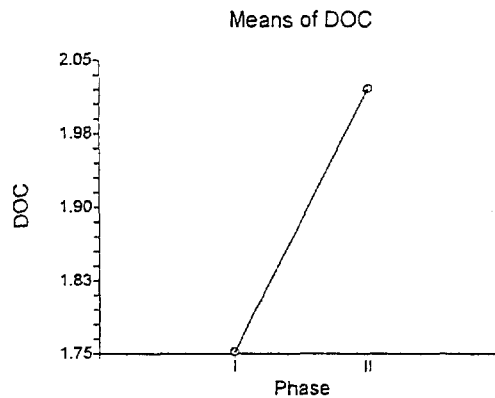
Analysis of Variance Report

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 Response DOC

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	185	1.910238		2.039209E-02
A: Phase				
I	76	1.751895	0.1523439	1.731503
II	109	2.020642	0.1272092	2.00025

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DOC
 Term A: Phase

Alpha=0.050 Error Term=S(A) DF=183 MSE=1.763858 Critical Value=1.973012

Group	Count	Mean	Different From Groups
I	76	1.751895	
II	109	2.020642	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DOC	I	II
I	0.0000	2.1663
II	2.1663	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Analysis of Variance Report

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 Response DOC

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	4.7338	0.000002	Reject
Kurtosis Normality of Residuals	4.4032	0.000011	Reject
Omnibus Normality of Residuals	41.7971	0.000000	Reject
Modified-Levene Equal-Variance Test	0.0660	0.797588	Accept

Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Class		1	Yes	S(A)	S+sA
S(A)		183	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Class		1	4.32502	4.32502	2.46	0.118481	0.344924
S(A)		183	321.6952	1.757897			
Total (Adjusted)		184	326.0202				
Total		185					

• Term significant at alpha = 0.05

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	4.330853	0.037427	Reject Ho
Corrected for Ties	1	4.412979	0.035667	Reject Ho

Number Sets of Ties 24
 Multiplicity Factor 117828

Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	121	11974.00	98.96	2.0811	2.135
Study	64	5231.00	81.73	-2.0811	1.74

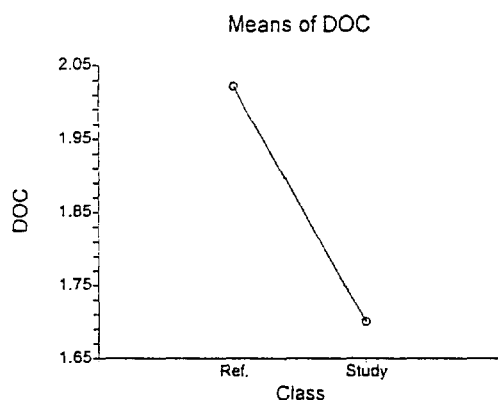
Analysis of Variance Report

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 Database C:\Program Files\NCSS97\Data\FS12-SW-DOC-ANOVA.S0
 Response DOC

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	185	1.910238		2.011588E-02
A: Class				
Ref.	121	2.021438	0.1205325	2.001322
Study	64	1.7	0.1657321	1.679884

Plots of Means Section



Fisher's LSD Multiple-Comparison Test

Response: DOC
 Term A: Class

Alpha=0.050 Error Term=S(A) DF=183 MSE=1.757897 Critical Value=1.973012

Group	Count	Mean	Different From Groups
Study	64	1.7	
Ref.	121	2.021438	

Kruskal-Wallis Multiple-Comparison Z-Value Test

DOC	Ref.	Study
Ref.	0.0000	2.1007
Study	2.1007	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-alkalinity.S0

Summary Section of Alkalinity when Phase=I,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
52	4.806634	3.342864	0.4635718	0.44	11.9	11.46

Counts Section of Alkalinity when Phase=I,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
198	52	0	34	249.945	1771.306	569.9117

Means Section of Alkalinity when Phase=I,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	4.806634	4.13	3.612139	2.547474	249.945	2.7
Std Error	0.4635718				24.10573	
95% LCL	3.875975	2.6			201.5507	
95% UCL	5.737294	4.8			298.3393	
T-Value	10.3687					
Prob Level	0.000000					
Count	52		52	52		4

Variation Section of Alkalinity when Phase=I,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	11.17474	3.342864	3.35929	0.4635718	5.2775	11.46
Std Error	1.583968	0.3350525		4.646342E-02		
95% LCL	7.848294	2.801481		0.3884955		
95% UCL	17.18579	4.145576		0.5748879		

Skewness and Kurtosis Section of Alkalinity when Phase=I,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.5931945	2.044772	0.6109616	-0.9289718	0.6954687	0.6700736
Std Error	0.2335259	0.3818733			5.515106E-02	

Trimmed Section of Alkalinity when Phase=I,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	4.662073	4.54762	4.417472	4.144423	3.801603	3.928846
Trim-Std Dev	2.992546	2.698159	2.366312	1.680526	0.9380607	0.5556406
Count	46.8	41.6	36.4	26	15.6	5.2

Mean-Deviation Section of Alkalinity when Phase=I,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.842844	2.767404	10.95984	21.52303	245.6141
Std Error	0.2791125		1.553507	7.567135	52.63626

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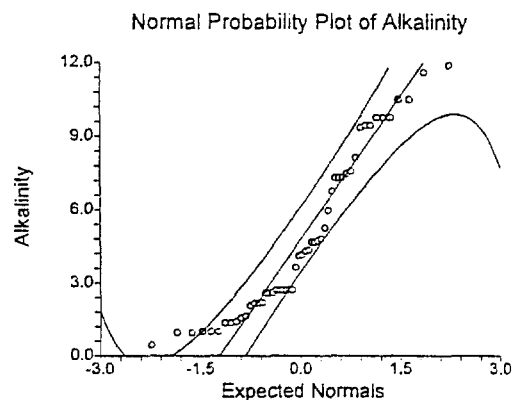
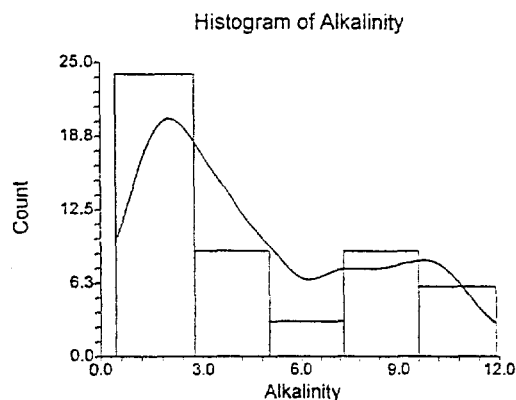
Quartile Section of Alkalinity when Phase=I,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1	2.17	4.13	7.4475	9.77
95% LCL	0.44	1.355	2.6	4.8	8.14
95% UCL	1.56	2.7	4.8	9.77	11.6

Normality Test Section of Alkalinity when Phase=I,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9018096	0.000424			Reject Normality
Anderson-Darling	1.875032	0.000087			Reject Normality
Martinez-Iglewicz	0.9772882		1.090907	1.13983	Accept Normality
Kolmogorov-Smirnov	0.1962734		0.112	0.122	Reject Normality
D'Agostino Skewness	1.8402	0.065740	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-2.1602	0.030761	1.645	1.960	Reject Normality
D'Agostino Omnibus	8.0526	0.017840	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=I,Status=Ref



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Percentile Section of Alkalinity when Phase=I,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	11.9			
95	10.885			
90	9.77	8.14	11.6	95.9133
85	9.466	7.32	10.5	97.0410
80	8.628	6.76	9.77	96.4772
75	7.4475	4.8	9.77	96.4270
70	7.32	4.68	9.36	95.1116
65	5.574	4.16	7.6	95.8930
60	4.716	3.64	7.32	95.2632
55	4.391	2.7	6.76	96.2020
50	4.13	2.6	4.8	95.6036
45	2.71	2.6	4.68	96.3165
40	2.7	2.17	4.3	95.2632
35	2.655	2.08	4.1	95.8930
30	2.56	1.4	2.71	96.6930
25	2.17	1.355	2.7	96.4270
20	1.602	1	2.6	96.4772
15	1.355	0.95	2.17	95.7391
10	1	0.44	1.56	96.4312
5	0.95			
1	0.44			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=I,Status=Ref

Depth	Stem	Leaves
3	0	499
11	1	00033456
24	2	0112666777777
25	3	6
(8)	4	11336678
19	5	29
17	6	7
16	7	33346
11	8	1
10	9	344777
4	10	55
2	11	69

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of Alkalinity when Phase=I,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	4.117857	6.38341	1.078993	0.5	33.6	33.1

Counts Section of Alkalinity when Phase=I,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
198	35	0	22	144.125	1978.916	1385.429

Means Section of Alkalinity when Phase=I,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	4.117857	2.7	2.634748	2.00441	144.125	0.95
Std Error	1.078993				37.76476	
95% LCL	1.925079	2.16			67.37777	
95% UCL	6.310635	3.26			220.8722	
T-Value	3.8164					
Prob Level	0.000546					
Count	35		35	35		5

Variation Section of Alkalinity when Phase=I,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	40.74792	6.38341	6.430513	1.078993	2.01	33.1
Std Error	27.19178	3.012104		0.5091385		
95% LCL	26.66031	5.163362		0.8727674		
95% UCL	69.94909	8.363557		1.413699		

Skewness and Kurtosis Section of Alkalinity when Phase=I,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	3.790871	16.58592	3.962767	15.9405	1.550178	0.9003704
Std Error	1.390848	11.7224			0.1735937	

Trimmed Section of Alkalinity when Phase=I,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.901191	2.729643	2.703979	2.675571	2.657381	2.664286
Trim-Std Dev	2.257872	1.086808	0.8830511	0.4878777	0.2866371	5.669467E-02
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of Alkalinity when Phase=I,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.987143	2.431	39.58369	944.0903	25987.97
Std Error	0.6492753		26.41488	631.7667	18053.63

Descriptive Statistics Report

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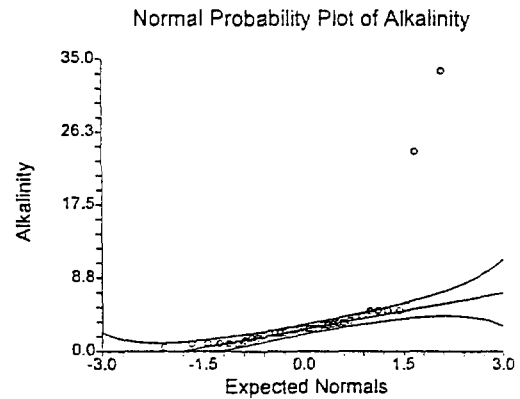
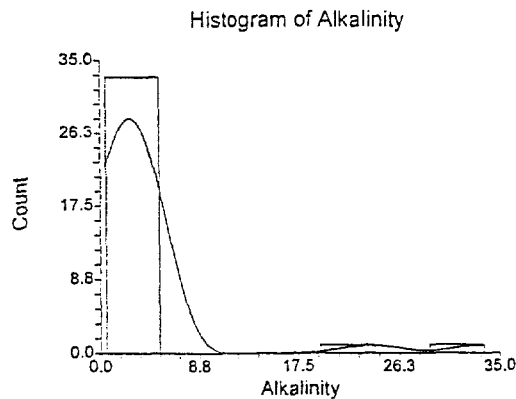
Quartile Section of Alkalinity when Phase=I,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.95	1.63	2.7	3.64	4.88
95% LCL	0.5	0.95	2.16	3.12	4.1
95% UCL	1.6	2.2	3.26	4.88	33.6

Normality Test Section of Alkalinity when Phase=I,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.431546	0.000000			Reject Normality
Anderson-Darling	7.572412	0.000000			Reject Normality
Martinez-Iglewicz	23.92407		1.129221	1.196894	Reject Normality
Kolmogorov-Smirnov	0.3953386		0.136	0.148	Reject Normality
D'Agostino Skewness	5.8999	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	4.7575	0.000002	1.645	1.960	Reject Normality
D'Agostino Omnibus	57.4432	0.000000	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=I,Status=Study



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Percentile Section of Alkalinity when Phase=I,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	33.6			
95	25.84			
90	4.88	4.1	33.6	95.4978
85	4.848	3.4	23.9	96.4725
80	4.148	3.12	4.88	96.6778
75	3.64	3.12	4.88	95.0059
70	3.4	2.7	4.8	95.7141
65	3.176	2.6	4.16	96.8023
60	2.958	2.6	3.64	96.0789
55	2.7	2.2	3.4	95.9234
50	2.7	2.16	3.26	95.9040
45	2.6	1.9	3.12	95.9234
40	2.36	1.6	2.7	95.9785
35	2.166	1.3	2.7	96.8023
30	2.108	0.95	2.6	95.5000
25	1.63	0.95	2.2	95.0059
20	1.36	0.95	2.16	96.1688
15	0.95	0.5	1.9	96.7432
10	0.95	0.5	1.6	95.4978
5	0.86			
1	0.5			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=I,Status=Study

Depth	Stem	Leaves
6	.	599999
7	1*	3
10	.	669
14	2*	1112
(7)	.	6667777
14	3*	11244
9	.	6
8	4*	11
6	.	8888
High		239, 336

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-alkalinity.S0

Summary Section of Alkalinity when Phase=II,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
75	6.238733	7.768066	0.896979	0.95	65.1	64.15

Counts Section of Alkalinity when Phase=II,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
198	75	0	64	467.905	7384.505	4465.371

Means Section of Alkalinity when Phase=II,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	6.238733	5.35	4.643699	3.749143	467.905	
Std Error	0.896979				67.27343	
95% LCL	4.451464	3.14			333.8598	
95% UCL	8.026003	5.9			601.9503	
T-Value	6.9553					
Prob Level	0.000000					
Count	75		75	75		

Variation Section of Alkalinity when Phase=II,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	60.34285	7.768066	7.794353	0.896979	4.34	64.15
Std Error	46.41077	4.224651		0.4878207		
95% LCL	44.7978	6.693116		0.7728544		
95% UCL	85.70304	9.257594		1.068975		

Skewness and Kurtosis Section of Alkalinity when Phase=II,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	6.006939	45.36568	6.130232	45.4164	1.245135	0.6283489
Std Error	1.42427	27.72541			0.3275972	

Trimmed Section of Alkalinity when Phase=II,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	5.19137	4.934834	4.823476	4.822	4.986278	5.296667
Trim-Std Dev	2.778415	2.115781	1.764445	1.446102	1.010718	0.1832261
Count	67.5	60	52.5	37.5	22.5	7.5

Mean-Deviation Section of Alkalinity when Phase=II,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	3.522178	3.361667	59.53828	2759.61	160812.6
Std Error	0.5402609		45.79196	2559.788	150310.2

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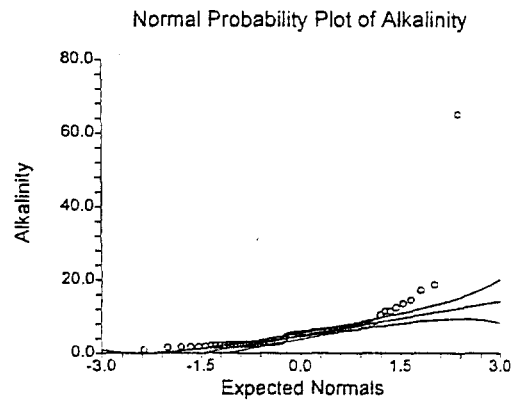
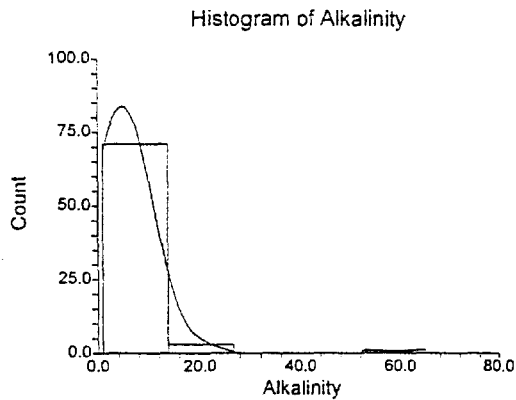
Quartile Section of Alkalinity when Phase=II,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	2.072	2.51	5.35	6.85	11.5
95% LCL	1.525	2.35	3.14	6.1	7.4
95% UCL	2.42	2.87	5.9	7.6	17.2

Normality Test Section of Alkalinity when Phase=II,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.4446374	0.000000			Reject Normality
Anderson-Darling	10.67596	0.000000			Reject Normality
Martinez-Iglewicz	5.946354		1.065904	1.101967	Reject Normality
Kolmogorov-Smirnov	0.2837793		0.093	0.102	Reject Normality
D'Agostino Skewness	9.1667	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	6.9270	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	132.0115	0.000000	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=II,Status=Ref



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Percentile Section of Alkalinity when Phase=II,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	65.1			
95	15.12	10.4	65.1	96.6231
90	11.5	7.4	17.2	96.7993
85	7.81	6.85	12.5	96.3207
80	7.16	6.45	10.4	95.6983
75	6.85	6.1	7.6	95.5570
70	6.46	5.85	7.2	95.7180
65	6.12	5.4	6.85	95.8468
60	5.88	5.3	6.5	95.5660
55	5.532	4.855	6.15	95.1899
50	5.35	3.14	5.9	96.3045
45	4.968	2.765	5.7	96.3630
40	3.492	2.595	5.4	96.5351
35	2.873	2.51	5	96.0687
30	2.717	2.475	3.9	95.7180
25	2.51	2.35	2.87	95.0398
20	2.476	2.09	2.705	95.5039
15	2.366	1.83	2.51	96.4834
10	2.072	1.525	2.42	96.2240
5	1.802	0.95	2.13	96.6231
1	0.95			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=II,Status=Ref

Depth	Stem	Leaves
1	0	9
6	1	56889
27	2	001133444445555777788
31	3	0129
34	4	589
(13)	5	0133445578899
28	6	011334577899
16	7	024669
10	8	5
9	9	
9	10	4
8	11	55
6	12	5
High		136, 146, 172, 187, 651

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Summary Section of Alkalinity when Phase=II,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
36	2.445555	0.8627653	0.1437942	0.85	5.3	4.45

Counts Section of Alkalinity when Phase=II,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
198	36	0	29	88.04	241.3595	26.05274

Means Section of Alkalinity when Phase=II,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.445555	2.5125	2.300844	2.152519	88.04	2.875
Std Error	0.1437942				5.176592	
95% LCL	2.153638	1.845			77.53096	
95% UCL	2.737473	2.81			98.54904	
T-Value	17.0073					
Prob Level	0.000000					
Count	36		36	36		3

Variation Section of Alkalinity when Phase=II,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.744364	0.8627653	0.8689491	0.1437942	1.10125	4.45
Std Error	0.2379831	0.1950466		3.250777E-02		
95% LCL	0.4896823	0.6997731		0.1166288		
95% UCL	1.266579	1.125424		0.1875706		

Skewness and Kurtosis Section of Alkalinity when Phase=II,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.8658848	4.679798	0.9039959	2.125969	0.3527891	0.2629077
Std Error	0.473394	1.018474			5.057157E-02	

Trimmed Section of Alkalinity when Phase=II,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.398951	2.387361	2.384127	2.421111	2.4675	2.488055
Trim-Std Dev	0.6323471	0.535028	0.4676003	0.3816202	0.2416266	0.1135974
Count	32.4	28.8	25.2	18	10.8	3.6

Mean-Deviation Section of Alkalinity when Phase=II,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.6633025	0.6605555	0.7236872	0.5330727	2.450918
Std Error	8.653125E-02		0.2313724	0.4874721	1.667453

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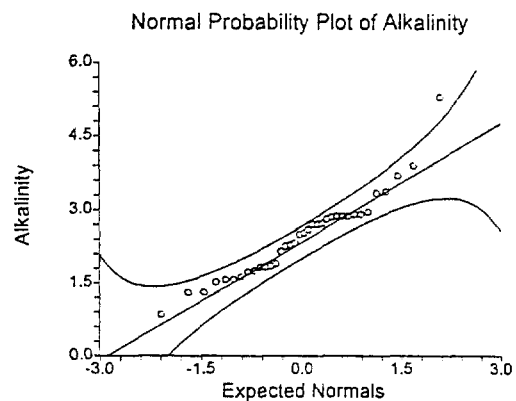
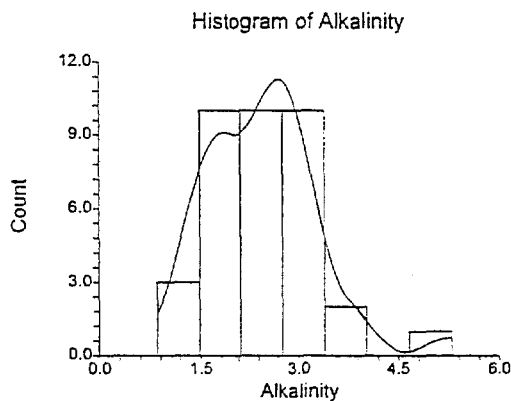
Quartile Section of Alkalinity when Phase=II,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.452	1.77375	2.5125	2.875	3.4695
95% LCL	0.85	1.515	1.845	2.705	2.905
95% UCL	1.725	2.26	2.81	3.375	5.3

Normality Test Section of Alkalinity when Phase=II,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9406497	0.053222			Accept Normality
Anderson-Darling	0.5641019	0.144392			Accept Normality
Martinez-Iglewicz	1.1454		1.125996	1.191918	Accept Normality
Kolmogorov-Smirnov	0.138546		0.134	0.146	Accept Normality
D'Agostino Skewness	2.2269	0.025954	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.0787	0.037641	1.645	1.960	Reject Normality
D'Agostino Omnibus	9.2802	0.009657	4.605	5.991	Reject Normality

Plots Section of Alkalinity when Phase=II,Status=Study



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Percentile Section of Alkalinity when Phase=II,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	5.3			
95	4.11			
90	3.4695	2.905	5.3	95.3962
85	3.12825	2.875	3.9	96.5131
80	2.905	2.81	3.69	96.5760
75	2.875	2.705	3.375	96.8044
70	2.8725	2.595	2.955	95.6499
65	2.812	2.495	2.905	96.5432
60	2.708	2.285	2.875	96.0387
55	2.6335	2.15	2.875	95.6166
50	2.5125	1.845	2.81	95.2969
45	2.30775	1.83	2.72	95.6166
40	2.238	1.755	2.705	96.0387
35	1.89725	1.62	2.53	96.5432
30	1.8315	1.57	2.32	97.0952
25	1.77375	1.515	2.26	96.8044
20	1.662	1.305	1.9	96.5760
15	1.57	0.85	1.83	96.1988
10	1.452	0.85	1.725	95.3962
5	1.23675			
1	0.85			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Alkalinity when Phase=II,Status=Study

Depth	Stem	Leaves
1	.	8
3	1*	33
13	.	5556778889
18	2*	12234
18	.	5577788888999
5	3*	33
3	.	69
High		53

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-DIC.S0

Summary Section of DIC when Phase=I,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	1.375429	0.9830246	0.1661615	0.26	2.66	2.4

Counts Section of DIC when Phase=I,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
169	35	0	20	48.14	99.0686	32.85547

Means Section of DIC when Phase=I,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.375429	1.47	0.9656268	0.6466079	48.14	0.5
Std Error	0.1661615				5.815652	
95% LCL	1.037748	0.5			36.32117	
95% UCL	1.713109	2.32			59.95883	
T-Value	8.2777					
Prob Level	0.000000					
Count	35		35	35		9

Variation Section of DIC when Phase=I,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.9663373	0.9830246	0.9902783	0.1661615	1.94	2.4
Std Error	8.162147E-02	5.871175E-02		9.924098E-03		
95% LCL	0.6322494	0.7951411		0.1344034		
95% UCL	1.658843	1.287961		0.2177051		

Skewness and Kurtosis Section of DIC when Phase=I,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.1137782	1.2497	0.1189374	-1.835574	0.7147042	0.6198251
Std Error	0.3031946	0.1076877			8.356541E-02	

Trimmed Section of DIC when Phase=I,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.36627	1.356607	1.347143	1.313429	1.227381	1.318571
Trim-Std Dev	0.9548322	0.9205378	0.8783193	0.7887099	0.6359827	0.3608838
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of DIC when Phase=I,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.9138449	0.9111429	0.9387277	0.1034829	1.101248
Std Error	0.0999863		7.928943E-02	0.2734298	0.125545

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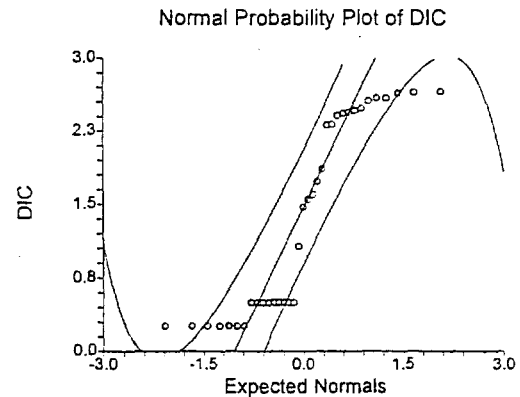
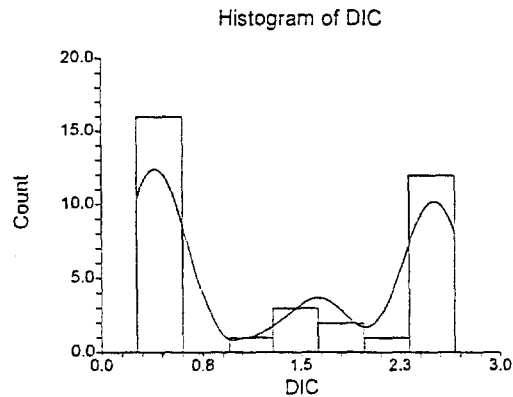
Quartile Section of DIC when Phase=I,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.5	1.47	2.44	2.61
95% LCL	0.26	0.26	0.5	1.86	2.46
95% UCL	0.5	0.5	2.32	2.59	2.66

Normality Test Section of DIC when Phase=I,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8077387	0.000029			Reject Normality
Anderson-Darling	2.727405	0.000001			Reject Normality
Martinez-Iglewicz	0.9398801		1.129221	1.196894	Accept Normality
Kolmogorov-Smirnov	0.2705564		0.136	0.148	Reject Normality
D'Agostino Skewness	0.3160	0.751989	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-8.2429	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	68.0458	0.000000	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=I,Status=Ref



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Percentile Section of DIC when Phase=I,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	2.66			
95	2.652			
90	2.61	2.46	2.66	95.4978
85	2.578	2.41	2.65	96.4725
80	2.476	2.31	2.64	96.6778
75	2.44	1.86	2.59	95.0059
70	2.414	1.55	2.56	95.7141
65	2.314	1.07	2.48	96.8023
60	1.808	0.5	2.44	96.0789
55	1.59	0.5	2.43	95.9234
50	1.47	0.5	2.32	95.9040
45	0.614	0.5	1.86	95.9234
40	0.5	0.5	1.6	95.9785
35	0.5	0.26	1.55	96.8023
30	0.5	0.26	0.5	95.5000
25	0.5	0.26	0.5	95.0059
20	0.308	0.26	0.5	96.1688
15	0.26	0.26	0.5	96.7432
10	0.26	0.26	0.5	95.4978
5	0.26			
1	0.26			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=I,Status=Ref

Depth	Stem	Leaves
7	T	2222222
16	F	555555555
16	S	
16	.	
17	1*	0
17	T	
(2)	F	45
16	S	67
14	.	8
13	2*	
13	T	33
11	F	44444555
3	S	666

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of DIC when Phase=I,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
25	0.692	0.665094	0.1330188	0.05	2.84	2.79

Counts Section of DIC when Phase=I,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
169	25	0	8	17.3	22.588	10.6164

Means Section of DIC when Phase=I,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.692	0.5	0.5079168	0.3546242	17.3	0.5
Std Error	0.1330188				3.32547	
95% LCL	0.4174627	0.5			10.43657	
95% UCL	0.9665373	0.5			24.16343	
T-Value	5.2023					
Prob Level	0.000025					
Count	25		25	25		14

Variation Section of DIC when Phase=I,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.44235	0.665094	0.6720563	0.1330188	0.12	2.79
Std Error	0.2234474	0.2375622		4.751244E-02		
95% LCL	0.2696977	0.5193242		0.1038648		
95% UCL	0.8560819	0.925247		0.1850494		

Skewness and Kurtosis Section of DIC when Phase=I,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.27583	7.379088	2.423748	5.684883	0.9611185	0.648
Std Error	0.7137954	4.19879			0.1118243	

Trimmed Section of DIC when Phase=I,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.6094444	0.54275	0.5157143	0.5	0.5	0.5
Trim-Std Dev	0.4598163	0.2635385	0.1994961	0	0	0
Count	22.5	20	17.5	12.5	7.5	2.5

Mean-Deviation Section of DIC when Phase=I,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4392	0.324	0.424656	0.6297898	1.330691
Std Error	7.998615E-02		0.2145095	0.3085124	0.6583883

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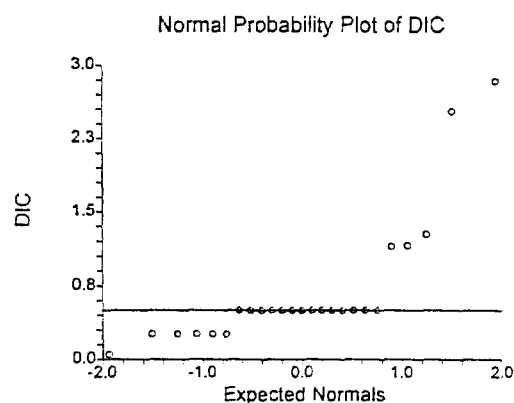
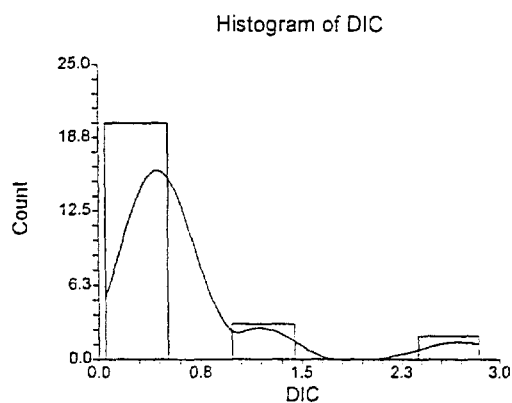
Quartile Section of DIC when Phase=I,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.38	0.5	0.5	1.774
95% LCL		0.26	0.5	0.5	
95% UCL		0.5	0.5	1.27	

Normality Test Section of DIC when Phase=I,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6310354	0.000001			Reject Normality
Anderson-Darling	3.991129	0.000000			Reject Normality
Martinez-Iglewicz	0		1.175507	1.276096	Accept Normality
Kolmogorov-Smirnov	0.4135872		0.159	0.173	Reject Normality
D'Agostino Skewness	4.0700	0.000047	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.1305	0.001745	1.645	1.960	Reject Normality
D'Agostino Omnibus	26.3649	0.000002	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=I,Status=Study



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Percentile Section of DIC when Phase=I,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	2.84			
95	2.747			
90	1.774			
85	1.171	0.5	2.84	95.7335
80	1.02	0.5	2.53	95.5278
75	0.5	0.5	1.27	95.7157
70	0.5	0.5	1.27	97.3570
65	0.5	0.5	1.16	96.4855
60	0.5	0.5	0.5	95.7469
55	0.5	0.5	0.5	95.6889
50	0.5	0.5	0.5	95.6715
45	0.5	0.5	0.5	95.6889
40	0.5	0.26	0.5	95.6138
35	0.5	0.26	0.5	96.4855
30	0.5	0.26	0.5	97.3570
25	0.38	0.26	0.5	96.3306
20	0.26	0.05	0.5	97.8890
15	0.26	0.05	0.5	95.7335
10	0.26			
5	0.113			
1	0.05			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=I,Status=Study

Depth	Stem	Leaves
6	0*	022222
(14)	.	55555555555555
5	1*	112
2	.	
2	2*	
2	.	58

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of DIC when Phase=II,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
73	1.65374	0.9899903	0.1158696	0.5	4.01	3.51

Counts Section of DIC when Phase=II,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
169	73	0	60	120.723	270.2102	70.56581

Means Section of DIC when Phase=II,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.65374	2.19	1.329926	1.05693	120.723	0.5
Std Error	0.1158696				8.458481	
95% LCL	1.422758	0.715			103.8613	
95% UCL	1.884722	2.28			137.5847	
T-Value	14.2724					
Prob Level	0.000000					
Count	73		73	73		5

Variation Section of DIC when Phase=II,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.9800807	0.9899903	0.9934336	0.1158696	1.7675	3.51
Std Error	0.0914536	6.532131E-02		7.645281E-03		
95% LCL	0.7248444	0.8513779		9.964625E-02		
95% UCL	1.39934	1.182937		0.1384523		

Skewness and Kurtosis Section of DIC when Phase=II,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.1808485	1.635625	0.1846649	-1.375733	0.5986373	0.4142553
Std Error	0.2190797	0.2119746			4.458069E-02	

Trimmed Section of DIC when Phase=II,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.613866	1.600471	1.590441	1.602986	1.65968	1.960253
Trim-Std Dev	0.8996165	0.8549004	0.8215666	0.7785522	0.7225298	0.465753
Count	65.7	58.4	51.1	36.5	21.9	7.3

Mean-Deviation Section of DIC when Phase=II,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.9302507	0.9072192	0.966655	0.1718788	1.528363
Std Error	6.978803E-02		9.020081E-02	0.2187919	0.4343144

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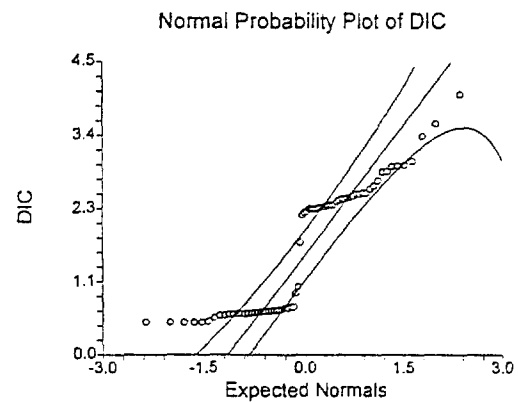
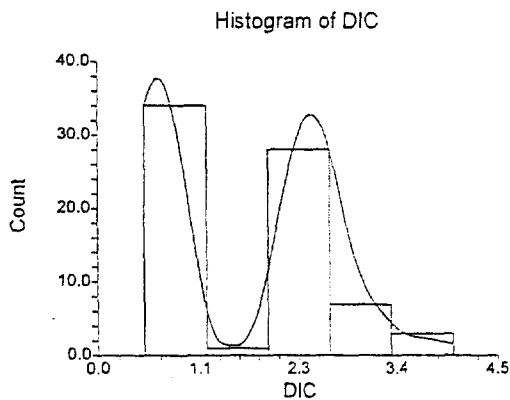
Quartile Section of DIC when Phase=II,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.5852	0.6525	2.19	2.42	2.868
95% LCL	0.5	0.631	0.715	2.3	2.49
95% UCL	0.637	0.69	2.28	2.55	3.36

Normality Test Section of DIC when Phase=II,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8359908	0.000000			Reject Normality
Anderson-Darling	5.671164	0.000000			Reject Normality
Martinez-Iglewicz	0.9581476		1.067486	1.104362	Accept Normality
Kolmogorov-Smirnov	0.25982		0.095	0.103	Reject Normality
D'Agostino Skewness	0.6798	0.496610	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-6.6585	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	44.7973	0.000000	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=II,Status=Ref



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	4.01			
95	3.094	2.81	4.01	96.5858
90	2.868	2.49	3.36	95.2880
85	2.595	2.43	2.91	95.0749
80	2.474	2.38	2.82	96.0681
75	2.42	2.3	2.55	95.5300
70	2.376	2.27	2.49	95.8490
65	2.31	2.25	2.43	95.1227
60	2.274	1.73	2.38	95.5053
55	2.25	0.742	2.31	95.5126
50	2.19	0.715	2.28	95.2607
45	0.9793	0.68	2.25	95.0699
40	0.721	0.668	2.21	95.8192
35	0.6893	0.651	1.05	95.1227
30	0.6736	0.638	0.723	95.8490
25	0.6525	0.631	0.69	95.7745
20	0.6404	0.605	0.673	96.0681
15	0.6315	0.5	0.648	95.6852
10	0.5852	0.5	0.637	95.2880
5	0.5	0.5	0.611	96.5858
1	0.5			

Stem-Leaf Plot Section of DIC when Phase=II,Status=Ref

Depth	Stem	Leaves
33	.	5555555666666666666666777779
34	1*	0
35	.	7
(26)	2*	112222222233333344444444
12	.	566889999
3	3*	3
2	.	5
1	4*	0

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of DIC when Phase=II,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
36	0.8725833	0.5106803	8.511338E-02	0.5	3.26	2.76

Counts Section of DIC when Phase=II,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
169	36	0	32	31.413	36.53826	9.127801

Means Section of DIC when Phase=II,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.8725833	0.788	0.8001735	0.7592082	31.413	0.5
Std Error	8.511338E-02				3.064081	
95% LCL	0.699794	0.701			25.19258	
95% UCL	1.045373	0.835			37.63342	
T-Value	10.2520					
Prob Level	0.000000					
Count	36		36	36		5

Variation Section of DIC when Phase=II,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.2607943	0.5106803	0.5143405	8.511338E-02	0.16825	2.76
Std Error	0.1701167	0.2355499		3.925831E-02		
95% LCL	0.1715644	0.4142033		6.903389E-02		
95% UCL	0.4437568	0.6661507		0.1110251		

Skewness and Kurtosis Section of DIC when Phase=II,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	3.64275	16.31793	3.803083	15.55858	0.585251	0.2730894
Std Error	1.178412	10.57619			0.1400119	

Trimmed Section of DIC when Phase=II,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.7823765	0.7712083	0.7780318	0.7795	0.7840926	0.788
Trim-Std Dev	0.1868851	9.739513E-02	0.0691624	5.152298E-02	3.096032E-02	7.883771E-03
Count	32.4	28.8	25.2	18	10.8	3.6

Mean-Deviation Section of DIC when Phase=II,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.2414398	0.2151944	0.25355	0.465077	1.049041
Std Error	0.0512188		0.1653912	0.3250814	0.7640933

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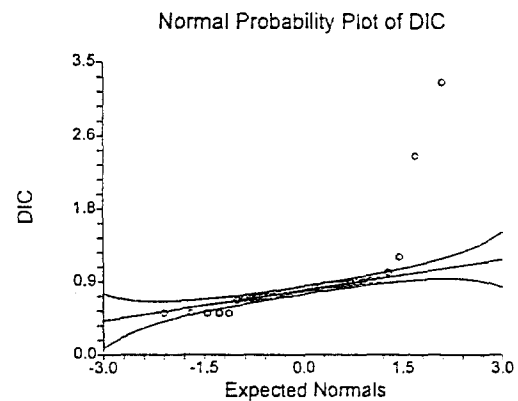
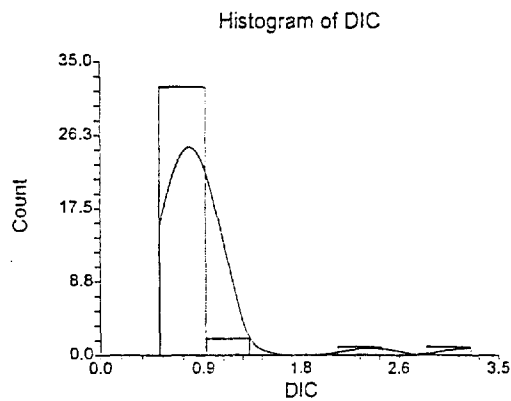
Quartile Section of DIC when Phase=II,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.5	0.6905	0.788	0.85875	1.0419
95% LCL	0.5	0.5	0.701	0.805	0.87
95% UCL	0.678	0.753	0.835	0.987	3.26

Normality Test Section of DIC when Phase=II,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.5026639	0.000000			Reject Normality
Anderson-Darling	6.350359	0.000000			Reject Normality
Martinez-Iglewicz	12.72799		1.125996	1.191918	Reject Normality
Kolmogorov-Smirnov	0.3737243		0.134	0.146	Reject Normality
D'Agostino Skewness	5.8307	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	4.7502	0.000002	1.645	1.960	Reject Normality
D'Agostino Omnibus	56.5617	0.000000	4.605	5.991	Reject Normality

Plots Section of DIC when Phase=II,Status=Study



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Percentile Section of DIC when Phase=II,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	3.26			
95	2.512			
90	1.0419	0.87	3.26	95.3962
85	0.88925	0.843	2.38	96.5131
80	0.8748	0.835	1.17	96.5760
75	0.85875	0.805	0.967	96.8044
70	0.8425	0.797	0.887	95.6499
65	0.83515	0.764	0.878	96.5432
60	0.8108	0.759	0.862	96.0387
55	0.7984	0.739	0.843	95.6166
50	0.788	0.701	0.835	95.2969
45	0.772	0.699	0.834	95.6166
40	0.7502	0.689	0.801	96.0387
35	0.72665	0.672	0.792	96.5432
30	0.6992	0.5	0.779	97.0952
25	0.6905	0.5	0.753	96.8044
20	0.6744	0.5	0.728	96.5760
15	0.58635	0.5	0.695	96.1988
10	0.5	0.5	0.678	95.3962
5	0.5			
1	0.5			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of DIC when Phase=II,Status=Study

Depth	Stem	Leaves
5	5*	00000
5	.	
5	6*	
11	.	577899
14	7*	023
(6)	.	557899
16	8*	0033344
9	.	67789
4	9*	
4	.	8
High		117, 238, 326

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of ORP_MV_ when Class=Ref.,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
270	136.3533	72.28382	4.399054	-97	258	355

Counts Section of ORP_MV_ when Class=Ref.,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	270	57	145	36815.4	6425415	1405512

Means Section of ORP_MV_ when Class=Ref.,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	136.3533	172	127.4159	169.9833	36815.4	
Std Error	4.399054				1187.744	
95% LCL	127.7313	148			34487.46	
95% UCL	144.9753	175			39143.34	
T-Value	30.9961					
Prob Level	0.000000					
Count	270		252	270		

Variation Section of ORP_MV_ when Class=Ref.,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	5224.951	72.28382	72.35104	4.399054	96.45	355
Std Error	462.4088	4.523452		0.2752885		
95% LCL	4443.257	66.65776		4.056662		
95% UCL	6233.922	78.95519		4.80506		

Skewness and Kurtosis Section of ORP_MV_ when Class=Ref.,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.9831976	3.114713	-0.9886988	0.139422	0.5301214	0.3233118
Std Error	0.1246388	0.3627028			3.719135E-02	

Trimmed Section of ORP_MV_ when Class=Ref.,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	141.1169	145.0204	148.1807	156.037	161.963	169.8704
Trim-Std Dev	59.82965	50.50946	43.26235	27.6358	17.49246	5.057539
Count	243	216	189	135	81	27

Mean-Deviation Section of ORP_MV_ when Class=Ref.,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	59.49452	55.60963	5205.6	-369272.4	8.440333E+07
Std Error	2.651186		460.6962	59256.86	1.502077E+07

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-Redox-descr.S0

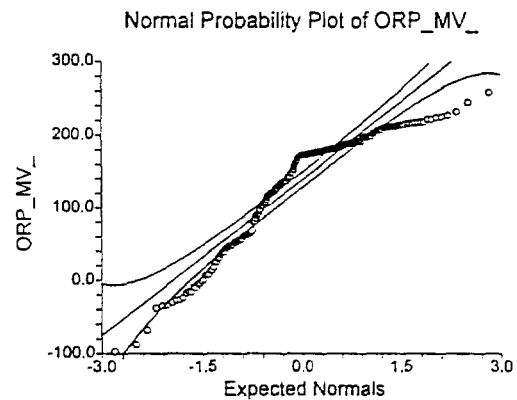
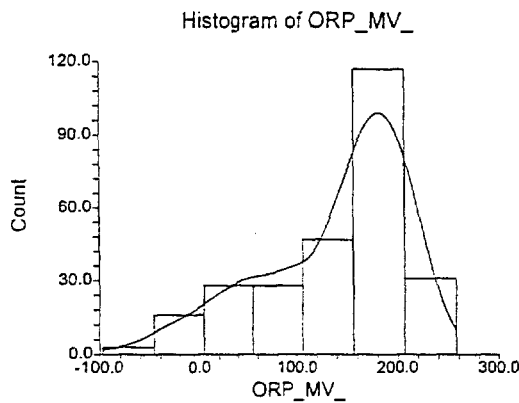
Quartile Section of ORP_MV_ when Class=Ref.,PHASE=I

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	25.5	90.8	172	187.25	210.9
95% LCL	-4	61.7	148	182	202
95% UCL	46.3	116	175	191	214

Normality Test Section of ORP_MV_ when Class=Ref.,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8929571	0.000000			Reject Normality
Anderson-Darling	11.26397	0.000000			Reject Normality
Martinez-Iglewicz	1.29154		1.02022	1.032973	Reject Normality
Kolmogorov-Smirnov	0.1989573		0.05	0.054	Reject Normality
D'Agostino Skewness	-5.7807	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	0.5886	0.556107	1.645	1.960	Accept Normality
D'Agostino Omnibus	33.7629	0.000000	4.605	5.991	Reject Normality

Plots Section of ORP_MV_ when Class=Ref.,PHASE=I



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	235.77			
95	216	212	222	95.1485
90	210.9	202	214	95.7959
85	198	191	208	95.0121
80	191	187	198	95.2085
75	187.25	182	191	95.1235
70	182	179	188	95.3554
65	179.15	177	182	95.1907
60	177	174	180	95.2992
55	175	171	178	95.6292
50	172	148	175	95.4005
45	155.85	135	173	95.6236
40	136.4	123	160	95.2885
35	127	108	137	95.1741
30	114.6	89	127	95.3305
25	90.8	61.7	116	95.1235
20	61.92	49.3	90.2	95.1611
15	48.74	31	61	95.9722
10	25.5	-4	46.3	95.6662
5	-12.7	-31	7	95.1485
1	-73.8			

Stem-Leaf Plot Section of ORP_MV_ when Class=Ref.,PHASE=I

Unit = 10 Example: 1 | 2 Represents 120

Descriptive Statistics Report

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Summary Section of ORP_MV_ when Class=Ref.,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
553	180.4877	80.22543	3.411532	-15.1	392.9	408

Counts Section of ORP_MV_ when Class=Ref.,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	553	0	443	99809.7	2.156716E+07	3552738

Means Section of ORP_MV_ when Class=Ref.,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	180.4877	169.3	161.8923	149.553	99809.7	142
Std Error	3.411532				1886.577	
95% LCL	173.8012	161.8			96112.08	
95% UCL	187.1742	174.9			103507.3	
T-Value	52.9052					
Prob Level	0.000000					
Count	553		551	553		6

Variation Section of ORP_MV_ when Class=Ref.,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	6436.12	80.22543	80.26177	3.411532	84.65	408
Std Error	360.051	3.173489		0.1349505		
95% LCL	5739.518	75.75961		3.221626		
95% UCL	7268.408	85.25496		3.62541		

Skewness and Kurtosis Section of ORP_MV_ when Class=Ref.,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.4213961	2.730633	0.4225431	-0.2608896	0.4444925	0.3606041
Std Error	6.293147E-02	0.1506666			1.257693E-02	

Trimmed Section of ORP_MV_ when Class=Ref.,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	179.2664	178.0672	174.8806	170.7382	168.4471	168.6019
Trim-Std Dev	67.4593	54.79275	40.18238	22.52631	13.5157	4.419793
Count	497.7	442.4	387.1	276.5	165.9	55.3

Mean-Deviation Section of ORP_MV_ when Class=Ref.,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	62.07479	61.05027	6424.481	216993.9	1.12704E+08
Std Error	2.056276		359.3999	30420.16	9123639

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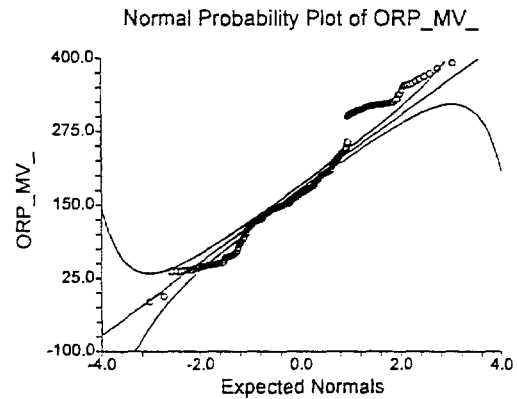
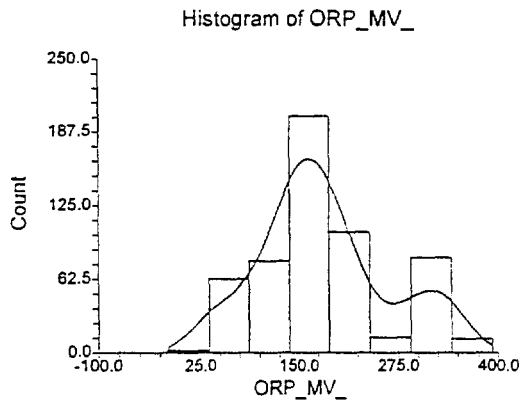
Quartile Section of ORP_MV_ when Class=Ref.,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	68.36	135.6	169.3	220.25	313.36
95% LCL	60.5	126	161.8	206	310.5
95% UCL	92	142	174.9	232.2	319.2

Normality Test Section of ORP_MV_ when Class=Ref.,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9544348	0.000000			Reject Normality
Anderson-Darling	9.84967	0.000000			Reject Normality
Martinez-Iglewicz	0.9830583		1.008704	1.015738	Accept Normality
Kolmogorov-Smirnov	9.951634E-02		0.035	0.038	Reject Normality
D'Agostino Skewness	3.9414	0.000081	1.645	1.960	Reject Normality
D'Agostino Kurtosis	-1.3651	0.172231	1.645	1.960	Accept Normality
D'Agostino Omnibus	17.3982	0.000167	4.605	5.991	Reject Normality

Plots Section of ORP_MV_ when Class=Ref.,PHASE=II



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	363.664	352.9	392.9	97.0578
95	321.25	319.9	326.2	96.0393
90	313.36	310.5	319.2	95.3279
85	306.35	243.1	311.3	95.0900
80	237.54	226.6	300.8	95.0888
75	220.25	206	232.2	95.0622
70	204.88	199	211	95.4107
65	195.87	183.9	202.7	95.0282
60	182.34	176.6	193.2	95.4164
55	175.37	170.1	180.9	95.0688
50	169.3	161.8	174.9	95.4255
45	160.59	152.5	168.1	95.0688
40	151.82	149.5	158.8	95.4164
35	148.8	144.2	151.2	95.0282
30	143.12	138.2	147.5	95.3235
25	135.6	126	142	95.0622
20	123	117.9	130	95.0407
15	108.91	86.9	121	95.6894
10	68.36	60.5	92	95.3279
5	49.64	46.2	59.2	95.7837
1	37.864	-15.1	43	97.0678

Stem-Leaf Plot Section of ORP MV when Class=Ref.,PHASE=II

Unit = 10 Example: 1 | 2 Represents 120

Descriptive Statistics Report

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Summary Section of ORP_MV_ when Class=Study,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
157	165.0955	48.63348	3.881374	23	254	231

Counts Section of ORP_MV_ when Class=Study,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	157	28	97	25920	4648250	368973.6

Means Section of ORP_MV_ when Class=Study,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	165.0955	178	154.7068	138.4849	25920	190
Std Error	3.881374				609.3757	
95% LCL	157.4287	172			24716.31	
95% UCL	172.7624	186			27123.69	
T-Value	42.5353					
Prob Level	0.000000					
Count	157		157	157		6

Variation Section of ORP_MV_ when Class=Study,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2365.215	48.63348	48.71148	3.881374	61	231
Std Error	285.3722	4.149171		0.3311399		
95% LCL	1917.009	43.78366		3.494317		
95% UCL	2992.207	54.70107		4.36562		

Skewness and Kurtosis Section of ORP_MV_ when Class=Study,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.9439189	3.285502	-0.9530488	0.3340203	0.2945778	0.2049667
Std Error	0.1460091	0.4377082			2.273016E-02	

Trimmed Section of ORP_MV_ when Class=Study,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	167.6868	170.5987	172.8562	175.8822	178.1178	179.2994
Trim-Std Dev	39.40226	31.6665	24.87457	15.57859	9.422128	3.116699
Count	141.3	125.6	109.9	78.5	47.1	15.7

Mean-Deviation Section of ORP_MV_ when Class=Study,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	38.42971	36.48408	2350.15	-107542	1.814651E+07
Std Error	2.338808		283.5546	20228.01	3383560

Descriptive Statistics Report

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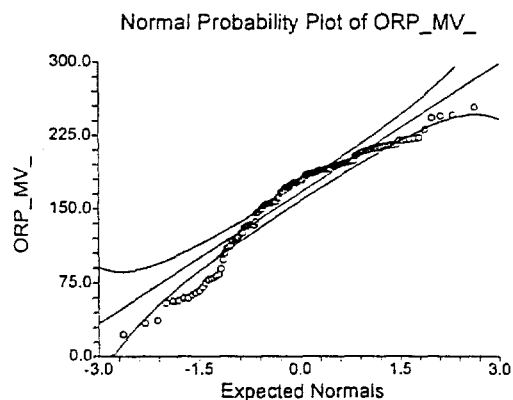
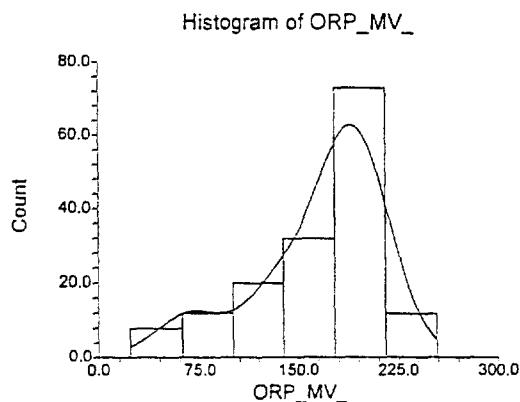
Quartile Section of ORP_MV_ when Class=Study,PHASE=I

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	79.8	135.5	178	196.5	214
95% LCL	60	123	172	191	210
95% UCL	111	155	186	207	221

Normality Test Section of ORP_MV_ when Class=Study,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9187418	0.000000			Reject Normality
Anderson-Darling	4.681273	0.000000			Reject Normality
Martinez-Iglewicz	1.215797		1.03409	1.053852	Reject Normality
Kolmogorov-Smirnov	0.1360657		0.065	0.07	Reject Normality
D'Agostino Skewness	-4.3692	0.000012	1.645	1.960	Reject Normality
D'Agostino Kurtosis	0.9531	0.340534	1.645	1.960	Accept Normality
D'Agostino Omnibus	19.9982	0.000045	4.605	5.991	Reject Normality

Plots Section of ORP_MV_ when Class=Study,PHASE=I



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Percentile Formula: Ave $X(p[n+1])$

Unit = 10 Example: 1 | 2 Represents 120

Descriptive Statistics Report

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Summary Section of ORP_MV_ when Class=Study,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
172	259.2041	79.71923	6.078535	22.7	431.6	408.9

Counts Section of ORP_MV_ when Class=Study,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	172	0	159	44583.1	1.264285E+07	1086732

Means Section of ORP_MV_ when Class=Study,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	259.2041	262.05	243.5603	218.1521	44583.1	
Std Error	6.078535				1045.508	
95% LCL	247.2054	249.6			42519.34	
95% UCL	271.2027	268.3			46646.86	
T-Value	42.6425					
Prob Level	0.000000					
Count	172		172	172		

Variation Section of ORP_MV_ when Class=Study,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	6355.156	79.71923	79.83587	6.078535	142.1	408.9
Std Error	586.0903	5.1986		0.3963896		
95% LCL	5197.145	72.09122		5.496904		
95% UCL	7950.703	89.16672		6.798898		

Skewness and Kurtosis Section of ORP_MV_ when Class=Study,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.3048882	2.462868	-0.3075771	-0.517368	0.3075539	0.2506645
Std Error	0.1525796	0.2870946			1.744291E-02	

Trimmed Section of ORP_MV_ when Class=Study,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	261.2867	262.6137	263.2817	262.8709	262.0283	260.8198
Trim-Std Dev	68.29646	60.86779	53.22663	37.94255	16.15149	4.369163
Count	154.8	137.6	120.4	86	51.6	17.2

Mean-Deviation Section of ORP_MV_ when Class=Study,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	65.71672	65.68663	6318.208	-153119.8	9.831706E+07
Std Error	3.662882		582.6828	85412.22	2.310074E+07

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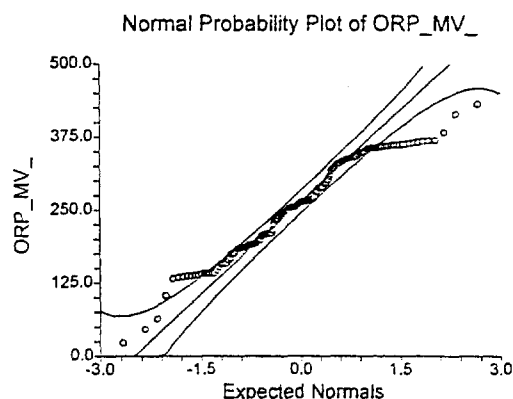
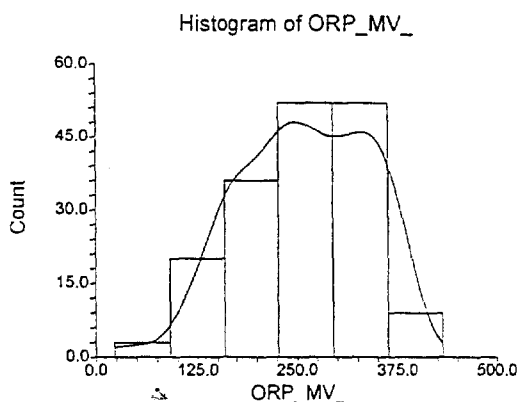
Quartile Section of ORP_MV_ when Class=Study,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	143.5	192.5	262.05	334.6	358.72
95% LCL	138.4	185	249.6	315.7	355.6
95% UCL	174	210.1	268.3	348.1	362.8

Normality Test Section of ORP_MV_ when Class=Study,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9658684	0.000316			Reject Normality
Anderson-Darling	1.877351	0.000086			Reject Normality
Martinez-Iglewicz	0.968585		1.031329	1.049688	Accept Normality
Kolmogorov-Smirnov	8.739974E-02		0.062	0.067	Reject Normality
D'Agostino Skewness	-1.6642	0.096081	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.7566	0.078988	1.645	1.960	Accept Normality
D'Agostino Omnibus	5.8550	0.053530	4.605	5.991	Accept Normality

Plots Section of ORP_MV_ when Class=Study,PHASE=II



Descriptive Statistics Report

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Percentile Section of ORP_MV_ when Class=Study,PHASE=II

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	418.46			
95	364.085	360.5	382.5	96.6060
90	358.72	355.6	362.8	95.9392
85	355.605	340.4	358.9	95.8463
80	342.12	332.2	355.7	95.4396
75	334.6	315.7	348.1	95.7652
70	322.01	288.4	337.6	95.4507
65	296.165	268.3	328.7	95.3128
60	282.4	264.7	310.4	95.7019
55	266.105	255.5	288.1	95.3985
50	262.05	249.6	268.3	95.2244
45	254.395	240.6	264.7	95.3985
40	245.48	210.2	255.5	95.7019
35	233.99	205.1	249.6	95.4525
30	208.42	190	238.8	95.4507
25	192.5	185	210.1	95.7652
20	185	164.1	196.9	95.4389
15	173.65	141	185	95.4375
10	143.5	138.4	174	95.9392
5	137	63.6	141	96.6060
1	39.563			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of ORP_MV_ when Class=Study,PHASE=II

Depth	Stem	Leaves
2	0*	24
3	.	6
18	1*	0333333344444444
47	.	5555566777788888888899999999
73	2*	00000011112333334444444444
(40)	.	5555555555666666666666666677888888889999
59	3*	00011122222223333333334444444444
28	.	55555555555566666666666666
2	4*	13

Unit = 10 Example: 1 |2 Represents 120

Descriptive Statistics Report

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Summary Section of SpC when Class=Ref.,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
327	70.97553	9.897605	0.5473388	56	94	38

Counts Section of SpC when Class=Ref.,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	327	0	30	23209	1679207	31935.8

Means Section of SpC when Class=Ref.,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	70.97553	70	70.28746	69.60555	23209	63
Std Error	0.5473388				178.9798	
95% LCL	69.90277	66			22858.21	
95% UCL	72.0483	71			23559.79	
T-Value	129.6739					
Prob Level	0.000000					
Count	327		327	327		36

Variation Section of SpC when Class=Ref.,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	97.96259	9.897605	9.905198	0.5473388	19	38
Std Error	4.153289	0.2967202		1.640866E-02		
95% LCL	84.50574	9.1927		0.5083575		
95% UCL	114.929	10.7205		0.5928448		

Skewness and Kurtosis Section of SpC when Class=Ref.,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.1105559	1.587776	0.111066	-1.415483	0.1394509	0.1283967
Std Error	9.773156E-02	8.160478E-02			2.99603E-03	

Trimmed Section of SpC when Class=Ref.,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	70.93102	70.99886	70.96483	70.70184	70.21509	68.79052
Trim-Std Dev	9.037879	8.388563	7.86979	6.84587	5.370862	1.790397
Count	294.3	261.6	228.9	163.5	98.1	32.7

Mean-Deviation Section of SpC when Class=Ref.,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	9.08025	8.987767	97.66301	106.7031	15144.31
Std Error	0.3298789		4.140588	94.58593	1601.974

Descriptive Statistics Report

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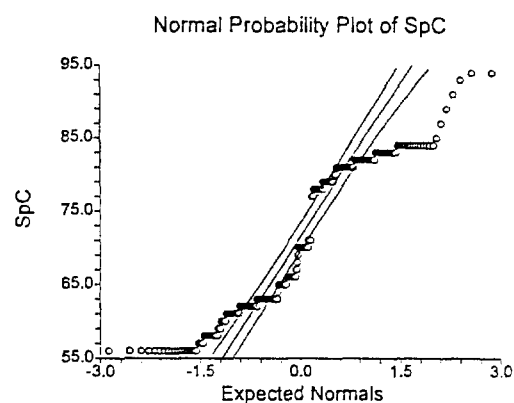
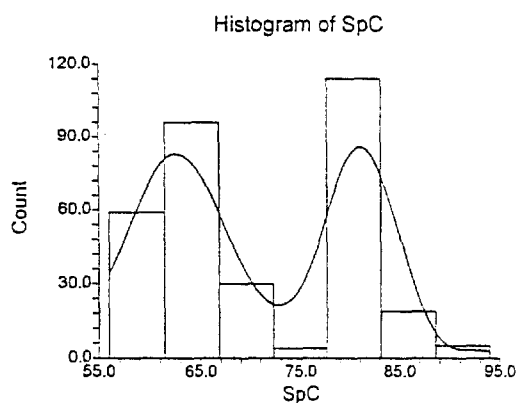
Quartile Section of SpC when Class=Ref.,PHASE=I

Parameter	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile
Value	58	62	70	81	83
95% LCL	57	62	66	80	82
95% UCL	61	63	71	82	84

Normality Test Section of SpC when Class=Ref.,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8998504	0.000000			Reject Normality
Anderson-Darling	14.13673	0.000000			Reject Normality
Martinez-Iglewicz	0.920508		1.016534	1.027444	Accept Normality
Kolmogorov-Smirnov	0.1800194		0.045	0.049	Reject Normality
D'Agostino Skewness	0.8316	0.405650	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-54.3514	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	2954.7707	0.000000	4.605	5.991	Reject Normality

Plots Section of SpC when Class=Ref.,PHASE=I



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Percentile Section of SpC when Class=Ref.,PHASE=I

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	92.44	84	94	95.6369
95	84	83	84	95.9355
90	83	82	84	95.7777
85	82	82	83	95.6165
80	82	81	82	95.4859
75	81	80	82	95.2479
70	80	79	81	95.2652
65	79	78	80	95.1479
60	78	70	79	95.1920
55	71	70	78	95.4611
50	70	66	71	95.3663
45	66	65	70	95.4611
40	65	63	66	95.0976
35	63	63	65	95.1479
30	63	62	63	95.3727
25	62	62	63	95.1290
20	62	61	62	95.4851
15	61	59	62	95.6165
10	58	57	61	95.7777
5	56	56	58	95.9355
1	56	56	56	95.6369

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of SpC when Class=Ref.,PHASE=I

[illegible]

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Summary Section of SpC when Class=Ref.,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
553	72.65461	10.79092	0.4588765	55	102	47

Counts Section of SpC when Class=Ref.,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	553	0	27	40178	2983394	64277.03

Means Section of SpC when Class=Ref.,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	72.65461	74	71.86049	71.07841	40178	80
Std Error	0.4588765				253.7587	
95% LCL	71.75523	73			39680.64	
95% UCL	73.55399	78			40675.36	
T-Value	158.3315					
Prob Level	0.000000					
Count	553		553	553		101

Variation Section of SpC when Class=Ref.,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	116.4439	10.79092	10.79581	0.4588765	19	47
Std Error	4.98896	0.3269163		0.0139019		
95% LCL	103.8408	10.19023		0.4333327		
95% UCL	131.5019	11.46743		0.4876446		

Skewness and Kurtosis Section of SpC when Class=Ref.,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.2245452	2.015107	0.2251564	-0.9829279	0.1485235	0.1280974
Std Error	6.875653E-02	5.771545E-02			3.110047E-03	

Trimmed Section of SpC when Class=Ref.,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	72.20725	71.95231	72.15977	72.75497	73.94424	75.4548
Trim-Std Dev	9.508261	8.576727	8.243788	7.490139	5.933293	2.356418
Count	497.7	442.4	387.1	276.5	165.9	55.3

Mean-Deviation Section of SpC when Class=Ref.,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	9.565794	9.479204	116.2333	281.3842	27224.47
Std Error	0.2765844		4.979938	95.85709	2496.716

Descriptive Statistics Report

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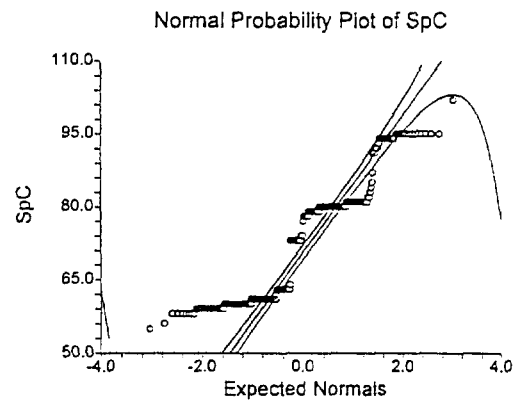
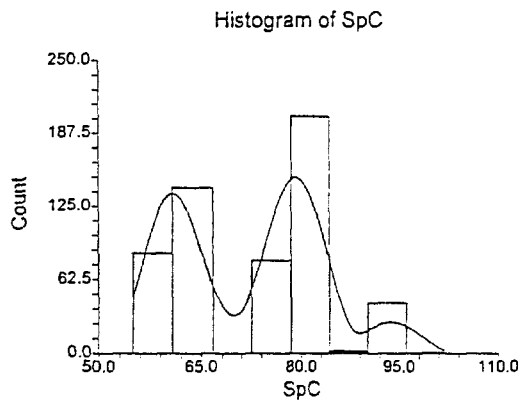
Quartile Section of SpC when Class=Ref.,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	60	61	74	80	81
95% LCL	60	61	73	80	81
95% UCL	60	61	78	80	91

Normality Test Section of SpC when Class=Ref.,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8722275	0.000000			Reject Normality
Anderson-Darling	30.78929	0.000000			Reject Normality
Martinez-Iglewicz	0.9006742		1.008704	1.015738	Accept Normality
Kolmogorov-Smirnov	0.2177807		0.035	0.038	Reject Normality
D'Agostino Skewness	2.1584	0.030895	1.645	1.960	Reject Normality
D'Agostino Kurtosis	-10.1878	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	108.4502	0.000000	4.605	5.991	Reject Normality

Plots Section of SpC when Class=Ref.,PHASE=II



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	95	95	102	97.0678
95	94	92	94	96.0393
90	81	81	91	95.3279
85	81	81	81	95.0900
80	80	80	81	95.0888
75	80	80	80	95.0622
70	80	80	80	95.4107
65	80	79	80	95.0282
60	79	79	80	95.4164
55	78	78	79	95.0688
50	74	73	78	95.4255
45	73	64	74	95.0688
40	63	63	73	95.4164
35	63	63	63	95.0282
30	62	61	63	95.3235
25	61	61	61	95.0622
20	61	61	61	95.0407
15	60	60	61	95.6894
10	60	60	60	95.3279
5	59	59	60	95.7837
1	58	55	59	97.0678

Stem-Leaf Plot Section of SpC when Class=Ref.,PHASE=II

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Summary Section of SpC when Class=Study,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
185	56.04865	5.219405	0.3837383	47	66	19

Counts Section of SpC when Class=Study,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	185	0	14	10369	586181	5012.562

Means Section of SpC when Class=Study,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	56.04865	54	55.80965	55.57319	10369	54
Std Error	0.3837383				70.99158	
95% LCL	55.29156	54			10228.94	
95% UCL	56.80574	55			10509.06	
T-Value	146.0596					
Prob Level	0.000000					
Count	185		185	185		48

Variation Section of SpC when Class=Study,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	27.24219	5.219405	5.226501	0.3837383	7	19
Std Error	2.561363	0.3470046		2.551228E-02		
95% LCL	22.43202	4.736246		0.3482157		
95% UCL	33.79332	5.813202		0.4273951		

Skewness and Kurtosis Section of SpC when Class=Study,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.3269004	2.635423	0.3295787	-0.3414785	9.312276E-02	7.317317E-02
Std Error	9.659755E-02	0.22032			4.259842E-03	

Trimmed Section of SpC when Class=Study,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	55.9985	55.97973	55.68533	55.33784	54.86486	54.31081
Trim-Std Dev	4.491516	3.487528	2.509789	1.805252	1.295628	0.4758654
Count	166.5	148	129.5	92.5	55.5	18.5

Mean-Deviation Section of SpC when Class=Study,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	4.178875	3.951351	27.09493	46.10495	1934.757
Std Error	0.2312438		2.547518	11.84786	228.7524

Descriptive Statistics Report

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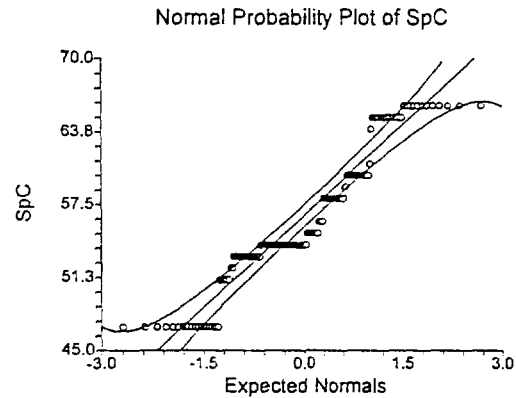
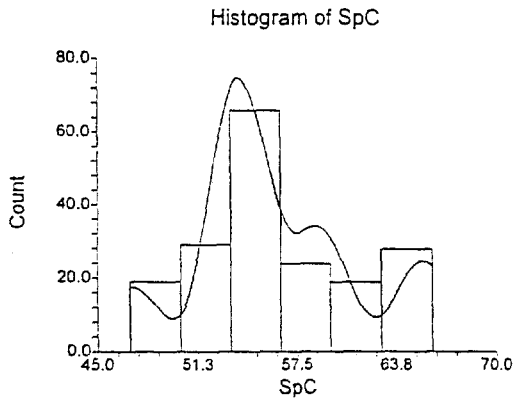
Quartile Section of SpC when Class=Study,PHASE=I

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	47	53	54	60	65
95% LCL	47	53	54	58	65
95% UCL	52	54	55	60	66

Normality Test Section of SpC when Class=Study,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9165198	0.000000			Reject Normality
Anderson-Darling	5.846735	0.000000			Reject Normality
Martinez-Iglewicz	1.017259		1.029262	1.046574	Accept Normality
Kolmogorov-Smirnov	0.1715768		0.06	0.065	Reject Normality
D'Agostino Skewness	1.8405	0.065702	1.645	1.960	Accept Normality
D'Agostino Kurtosis	-1.0258	0.304974	1.645	1.960	Accept Normality
D'Agostino Omnibus	4.4396	0.108632	4.605	5.991	Accept Normality

Plots Section of SpC when Class=Study,PHASE=I



Descriptive Statistics Report

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Summary Section of SpC when Class=Study,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
172	55.00581	3.009725	0.2294894	49	66	17

Counts Section of SpC when Class=Study,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	172	0	13	9461	521959	1548.994

Means Section of SpC when Class=Study,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	55.00581	54	54.92566	54.84715	9461	54
Std Error	0.2294894				39.47218	
95% LCL	54.55282	54			9383.085	
95% UCL	55.45881	55			9538.915	
T-Value	239.6878					
Prob Level	0.000000					
Count	172		172	172		56

Variation Section of SpC when Class=Study,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	9.058446	3.009725	3.014128	0.2294894	2	17
Std Error	1.048418	0.2463161		1.878143E-02		
95% LCL	7.407851	2.721737		0.2075305		
95% UCL	11.33269	3.366406		0.2566861		

Skewness and Kurtosis Section of SpC when Class=Study,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.6810799	3.304042	0.6870865	0.3487808	5.471649E-02	4.059001E-02
Std Error	0.1871612	0.6454149			3.071038E-03	

Trimmed Section of SpC when Class=Study,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	54.90569	54.83139	54.73588	54.63953	54.39922	54
Trim-Std Dev	2.55247	2.176152	1.557929	0.8528539	0.6283168	5.572553E-07
Count	154.8	137.6	120.4	86	51.6	17.2

Mean-Deviation Section of SpC when Class=Study,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.297999	2.19186	9.00578	18.40688	267.9713
Std Error	0.1382887		1.042323	6.338884	82.29501

Descriptive Statistics Report

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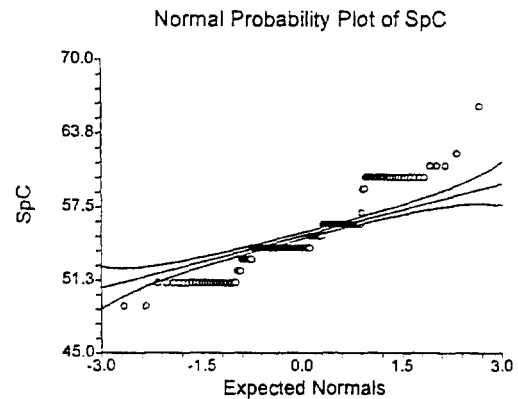
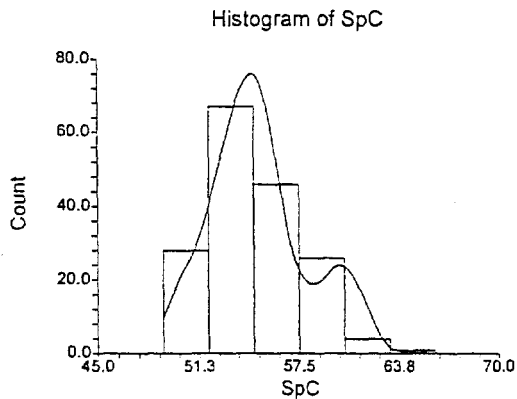
Quartile Section of SpC when Class=Study,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	51	54	54	56	60
95% LCL	51	53	54	56	60
95% UCL	51	54	55	57	60

Normality Test Section of SpC when Class=Study,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.904686	0.000000			Reject Normality
Anderson-Darling	6.868229	0.000000			Reject Normality
Martinez-Iglewicz	1.094853		1.031329	1.049688	Reject Normality
Kolmogorov-Smirnov	0.1845309		0.062	0.067	Reject Normality
D'Agostino Skewness	3.4827	0.000496	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.0125	0.311298	1.645	1.960	Accept Normality
D'Agostino Omnibus	13.1541	0.001392	4.605	5.991	Reject Normality

Plots Section of SpC when Class=Study,PHASE=II



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	63.08			
95	60	60	61	96.6060
90	60	60	60	95.9392
85	60	56	60	95.8463
80	56	56	60	95.4396
75	56	56	57	95.7652
70	56	56	56	95.4507
65	56	55	56	95.3128
60	55	54	56	95.7019
55	54.15	54	55	95.3985
50	54	54	55	95.2244
45	54	54	54	95.3985
40	54	54	54	95.7019
35	54	54	54	95.4525
30	54	54	54	95.4507
25	54	53	54	95.7652
20	53	51	54	95.4389
15	51	51	53	95.4375
10	51	51	51	95.9392
5	51	51	51	96.6060
1	49			

Stem-Leaf Plot Section of SpC when Class=Study,PHASE=II

Unit = .1 Example: 1 | 2 Represents 1.2

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Summary Section of TOC when Phase=I,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
52	0.9177788	1.002001	0.1389525	0.26	4.29	4.03

Counts Section of TOC when Phase=I,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
190	52	0	26	47.7245	95.0048	51.20427

Means Section of TOC when Phase=I,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.9177788	0.3125	0.5816597	0.4194687	47.7245	0.26
Std Error	0.1389525				7.225529	
95% LCL	0.6388201	0.26			33.21865	
95% UCL	1.196738	0.96			62.23035	
T-Value	6.6050					
Prob Level	0.000000					
Count	52		52	52		26

Variation Section of TOC when Phase=I,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.004005	1.002001	1.006924	0.1389525	1.0275	4.03
Std Error	0.3195353	0.2254945		3.127046E-02		
95% LCL	0.7051376	0.8397247		0.1164489		
95% UCL	1.544074	1.242608		0.1723187		

Skewness and Kurtosis Section of TOC when Phase=I,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.938345	6.267072	1.996401	3.729345	1.091767	2.104892
Std Error	0.3591726	2.022403			9.455307E-02	

Trimmed Section of TOC when Phase=I,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.7828312	0.681887	0.6413873	0.5736346	0.4794551	0.3522115
Trim-Std Dev	0.7277621	0.504154	0.4515845	0.381391	0.2758052	0.1266508
Count	46.8	41.6	36.4	26	15.6	5.2

Mean-Deviation Section of TOC when Phase=I,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.7272855	0.6577789	0.9846974	1.894023	6.076734
Std Error	8.366205E-02		0.3133904	0.6892165	2.371616

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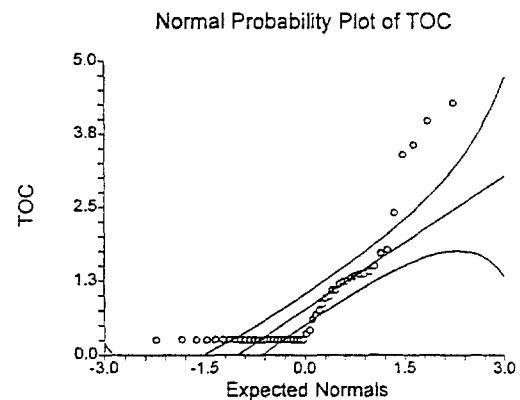
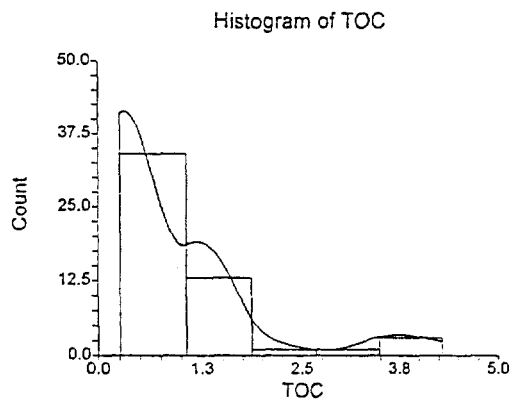
Quartile Section of TOC when Phase=I,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.26	0.3125	1.2875	2.221
95% LCL	0.26	0.26	0.26	0.96	1.37
95% UCL	0.26	0.26	0.96	1.72	3.98

Normality Test Section of TOC when Phase=I,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6946791	0.000000			Reject Normality
Anderson-Darling	5.615444	0.000000			Reject Normality
Martinez-Iglewicz	158.5042		1.090907	1.13983	Reject Normality
Kolmogorov-Smirnov	0.2442377		0.112	0.122	Reject Normality
D'Agostino Skewness	4.6137	0.000004	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.0705	0.002137	1.645	1.960	Reject Normality
D'Agostino Omnibus	30.7139	0.000000	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=I,Status=Ref



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	4.29			
95	3.7135			
90	2.221	1.37	3.98	95.9133
85	1.511	1.25	3.57	97.0410
80	1.372	1.1	2.41	96.4772
75	1.2875	0.96	1.72	96.4270
70	1.2035	0.69	1.375	95.1116
65	1.0395	0.365	1.335	95.8930
60	0.838	0.26	1.25	95.2632
55	0.622	0.26	1.1	96.2020
50	0.3125	0.26	0.96	95.6036
45	0.26	0.26	0.75	96.3165
40	0.26	0.26	0.4245	95.2632
35	0.26	0.26	0.26	95.8930
30	0.26	0.26	0.26	96.6930
25	0.26	0.26	0.26	96.4270
20	0.26	0.26	0.26	96.4772
15	0.26	0.26	0.26	95.7391
10	0.26	0.26	0.26	96.4312
5	0.26			
1	0.26			

Stem-Leaf Plot Section of TOC when Phase=I, Status=Ref

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Summary Section of TOC when Phase=I,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	1.196286	1.280811	0.2164966	0.26	5.06	4.8

Counts Section of TOC when Phase=I,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
190	35	0	20	41.87	105.8647	55.77622

Means Section of TOC when Phase=I,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.196286	0.6	0.6917723	0.449988	41.87	0.26
Std Error	0.2164966				7.577381	
95% LCL	0.7563117	0.26			26.47091	
95% UCL	1.63626	1.6			57.26909	
T-Value	5.5257					
Prob Level	0.000004					
Count	35		35	35		16

Variation Section of TOC when Phase=I,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.640477	1.280811	1.290262	0.2164966	1.82	4.8
Std Error	0.5114563	0.2823634		4.772813E-02		
95% LCL	1.073321	1.036012		0.175118		
95% UCL	2.816091	1.678121		0.2836543		

Skewness and Kurtosis Section of TOC when Phase=I,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	1.433192	4.402082	1.498179	1.818323	1.070657	1.542381
Std Error	0.3419396	1.3367			0.1216299	

Trimmed Section of TOC when Phase=I,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.054841	0.9439286	0.8936735	0.7711428	0.5976191	0.4964286
Trim-Std Dev	1.025117	0.8179552	0.7664291	0.6367925	0.413603	0.1961432
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of TOC when Phase=I,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.032686	0.9254286	1.593606	2.883207	11.17944
Std Error	0.130275		0.4968432	1.230996	5.260498

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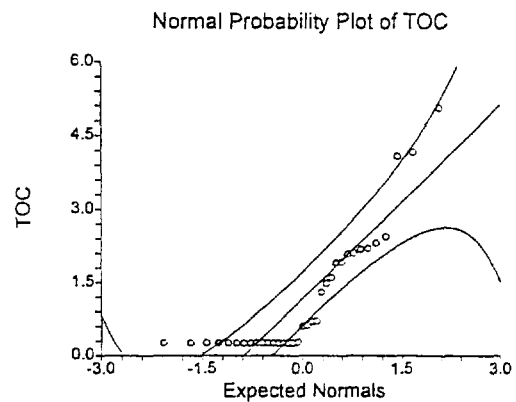
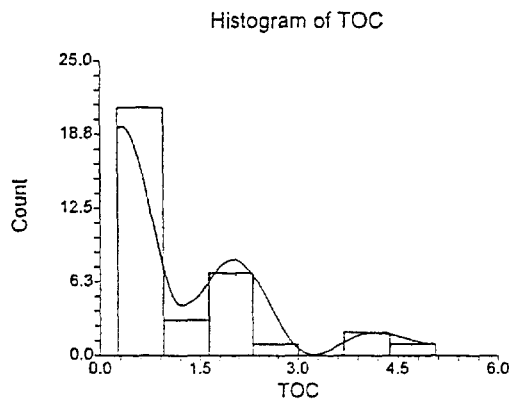
Quartile Section of TOC when Phase=I,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	0.26	0.6	2.08	3.096
95% LCL	0.26	0.26	0.26	1.3	2.1
95% UCL	0.26	0.26	1.6	2.44	5.06

Normality Test Section of TOC when Phase=I,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.7548206	0.000003			Reject Normality
Anderson-Darling	3.243669	0.000000			Reject Normality
Martinez-Iglewicz	2.470281		1.129221	1.196894	Reject Normality
Kolmogorov-Smirnov	0.2507987		0.136	0.148	Reject Normality
D'Agostino Skewness	3.2856	0.001018	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.8846	0.059482	1.645	1.960	Accept Normality
D'Agostino Omnibus	14.3466	0.000767	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=I,Status=Study



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Percentile Section of TOC when Phase=I,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	5.06			
95	4.348			
90	3.096	2.1	5.06	95.4978
85	2.266	1.9	4.17	96.4725
80	2.164	1.48	4.08	96.6778
75	2.08	1.3	2.44	95.0059
70	1.904	0.62	2.2	95.7141
65	1.528	0.28	2.18	96.8023
60	1.06	0.26	2.08	96.0789
55	0.676	0.26	1.92	95.9234
50	0.6	0.26	1.6	95.9040
45	0.264	0.26	1.3	95.9234
40	0.26	0.26	0.69	95.9785
35	0.26	0.26	0.62	96.8023
30	0.26	0.26	0.26	95.5000
25	0.26	0.26	0.26	95.0059
20	0.26	0.26	0.26	96.1688
15	0.26	0.26	0.26	96.7432
10	0.26	0.26	0.26	95.4978
5	0.26			
1	0.26			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TOC when Phase=I,Status=Study

Depth	Stem	Leaves
17	0*	2222222222222222
(4)	.	6667
14	1*	34
12	.	699
9	2*	011234
3	.	
3	3*	
3	.	
3	4*	01
High		50

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Summary Section of TOC when Phase=II,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
67	1.698806	0.705237	8.615841E-02	0.26	3.23	2.97

Counts Section of TOC when Phase=II,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
190	67	0	48	113.82	226.1838	32.8257

Means Section of TOC when Phase=II,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.698806	1.8	1.422251	0.975052	113.82	0.26
Std Error	8.615841E-02				5.772613	
95% LCL	1.526785	1.67			102.2946	
95% UCL	1.870827	1.88			125.3454	
T-Value	19.7172					
Prob Level	0.000000					
Count	67		67	67		10

Variation Section of TOC when Phase=II,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.4973592	0.705237	0.7079133	8.615841E-02	0.6	2.97
Std Error	9.409766E-02	9.434714E-02		1.152634E-02		
95% LCL	0.3633215	0.6027616		7.363905E-02		
95% UCL	0.722534	0.85002		0.1038465		

Skewness and Kurtosis Section of TOC when Phase=II,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-0.8324642	3.398237	-0.8516508	0.5248292	0.4151368	0.2699834
Std Error	0.2188421	0.7486569			5.348961E-02	

Trimmed Section of TOC when Phase=II,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.71194	1.754925	1.815203	1.800149	1.784129	1.793433
Trim-Std Dev	0.5923199	0.4712273	0.2460751	0.1458502	7.876909E-02	3.870954E-02
Count	60.3	53.6	46.9	33.5	20.1	6.7

Mean-Deviation Section of TOC when Phase=II,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4945244	0.4859701	0.4899359	-0.2854792	0.8157033
Std Error	5.188908E-02		9.269322E-02	0.0533266	0.1583544

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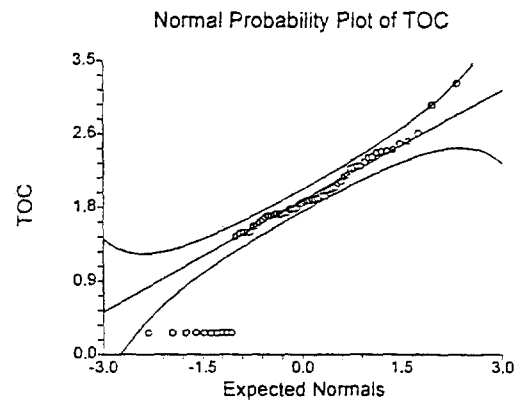
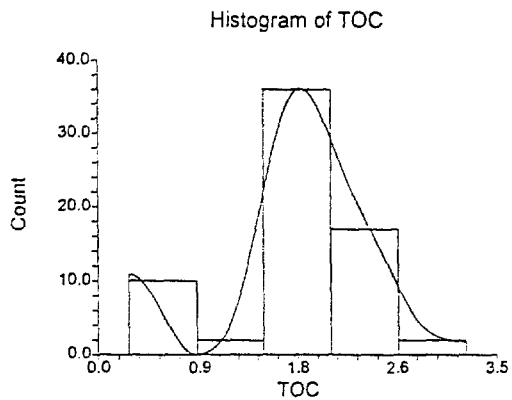
Quartile Section of TOC when Phase=II,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	1.53	1.8	2.13	2.424
95% LCL	0.26	0.26	1.67	1.95	2.29
95% UCL	1.44	1.67	1.88	2.35	2.97

Normality Test Section of TOC when Phase=II,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8707288	0.000005			Reject Normality
Anderson-Darling	3.506922	0.000000			Reject Normality
Martinez-Iglewicz	1.453443		1.07276	1.112349	Reject Normality
Kolmogorov-Smirnov	0.1777135		0.099	0.108	Reject Normality
D'Agostino Skewness	-2.7393	0.006157	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.0204	0.307552	1.645	1.960	Accept Normality
D'Agostino Omnibus	8.5449	0.013947	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=II,Status=Ref



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Percentile Section of TOC when Phase=II,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	3.23			
95	2.594	2.4	3.23	96.1797
90	2.424	2.29	2.97	96.0023
85	2.348	2.13	2.51	96.1355
80	2.24	1.99	2.41	95.2074
75	2.13	1.95	2.35	95.2218
70	2.02	1.84	2.24	95.0127
65	1.952	1.83	2.21	96.0526
60	1.858	1.79	2.06	95.4094
55	1.834	1.73	1.96	95.0590
50	1.8	1.67	1.88	95.0200
45	1.73	1.66	1.84	95.0590
40	1.682	1.6	1.82	95.4094
35	1.668	1.52	1.75	96.0526
30	1.638	1.45	1.69	95.5392
25	1.53	0.26	1.67	95.2218
20	1.456	0.26	1.63	95.2190
15	0.488	0.26	1.53	96.1355
10	0.26	0.26	1.44	96.0023
5	0.26	0.26	0.26	96.1797
1	0.26			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of TOC when Phase=II,Status=Ref

Depth	Stem	Leaves
Low		26,26,26,26,26,26,26,26,26,26
15	14	04566
18	15	237
28	16	0355677789
33	17	33359
(10)	18	0233445688
24	19	5679
20	20	46
18	21	23
16	22	12449
11	23	45
9	24	0124
5	25	14
3	26	3
2	27	
2	28	
2	29	7
High		323

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Summary Section of TOC when Phase=II,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
36	1.669722	0.6533146	0.1088858	0.26	2.36	2.1

Counts Section of TOC when Phase=II,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
190	36	0	29	60.11	115.3057	14.9387

Means Section of TOC when Phase=II,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.669722	1.825	1.417203	0.9930174	60.11	0.26
Std Error	0.1088858				3.919887	
95% LCL	1.448672	1.65			52.15221	
95% UCL	1.890772	2			68.06779	
T-Value	15.3346					
Prob Level	0.000000					
Count	36		36	36		5

Variation Section of TOC when Phase=II,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.4268199	0.6533146	0.6579972	0.1088858	0.51	2.1
Std Error	0.112037	0.1212618		0.0202103		
95% LCL	0.2807849	0.5298914		8.831523E-02		
95% UCL	0.7262591	0.8522084		0.1420347		

Skewness and Kurtosis Section of TOC when Phase=II,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	-1.269237	3.48048	-1.325101	0.7417306	0.3912714	0.2464231
Std Error	0.3487354	1.282524			0.0731604	

Trimmed Section of TOC when Phase=II,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.709691	1.760625	1.819286	1.84	1.838704	1.829444
Trim-Std Dev	0.5769483	0.4594746	0.2710499	0.1522382	0.1099545	3.100179E-02
Count	32.4	28.8	25.2	18	10.8	3.6

Mean-Deviation Section of TOC when Phase=II,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.4737037	0.4497222	0.4149638	-0.3392797	0.5993212
Std Error	6.552434E-02		0.1089248	6.428261E-02	0.1207488

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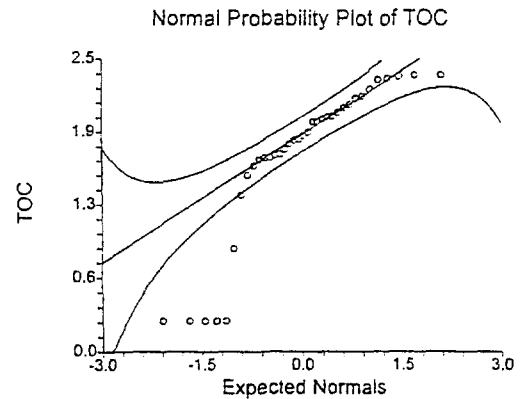
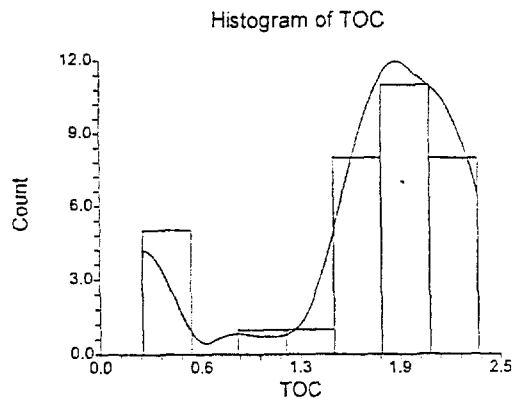
Quartile Section of TOC when Phase=II,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.26	1.5925	1.825	2.1025	2.336
95% LCL	0.26	0.26	1.65	1.96	2.16
95% UCL	1.5	1.72	2	2.33	2.36

Normality Test Section of TOC when Phase=II,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.8016487	0.000018			Reject Normality
Anderson-Darling	2.650008	0.000001			Reject Normality
Martinez-Iglewicz	1.932606		1.125996	1.191918	Reject Normality
Kolmogorov-Smirnov	0.197981		0.134	0.146	Reject Normality
D'Agostino Skewness	-3.0305	0.002442	1.645	1.960	Reject Normality
D'Agostino Kurtosis	1.0821	0.279194	1.645	1.960	Accept Normality
D'Agostino Omnibus	10.3549	0.005642	4.605	5.991	Reject Normality

Plots Section of TOC when Phase=II,Status=Study



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Percentile Section of TOC when Phase=II,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	2.36			
95	2.36			
90	2.336	2.16	2.36	95.3962
85	2.276	2.04	2.36	96.5131
80	2.172	2	2.35	96.5760
75	2.1025	1.96	2.33	96.8044
70	2.037	1.87	2.24	95.6499
65	2.0005	1.81	2.18	96.5432
60	1.964	1.77	2.11	96.0387
55	1.9015	1.68	2.04	95.6166
50	1.825	1.65	2	95.2969
45	1.7895	1.65	1.98	95.6166
40	1.712	1.58	1.96	96.0387
35	1.669	1.33	1.84	96.5432
30	1.65	0.26	1.8	97.0952
25	1.5925	0.26	1.72	96.8044
20	1.398	0.26	1.67	96.5760
15	0.5955	0.26	1.63	96.1988
10	0.26	0.26	1.5	95.3962
5	0.26			
1	0.26			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TOC when Phase=II,Status=Study

Depth	Stem	Leaves
Low		26,26,26,26,26,87
7	13	3
7	14	
9	15	08
14	16	35578
16	17	27
(4)	18	0147
16	19	668
13	20	0148
9	21	168
6	22	4
5	23	23566

Unit = .01 Example: 1 |2 Represents 0.12

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-TDS.S0

Summary Section of TDS when Phase=I,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
51	40.94118	17.35674	2.43043	6	85	79

Counts Section of TDS when Phase=I,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	51	0	32	2088	100548	15062.82

Means Section of TDS when Phase=I,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	40.94118	40	36.14171	29.17493	2088	
Std Error	2.43043				123.9519	
95% LCL	36.05951	36			1839.035	
95% UCL	45.82284	46			2336.965	
T-Value	16.8452					
Prob Level	0.000000					
Count	51		51	51		

Variation Section of TDS when Phase=I,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	301.2565	17.35674	17.44374	2.43043	26	79
Std Error	57.79569	2.354574		0.3297063		
95% LCL	210.9043	14.52254		2.033563		
95% UCL	465.5146	21.57579		3.021214		

Skewness and Kurtosis Section of TDS when Phase=I,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	5.999697E-02	2.877104	6.183058E-02	-8.303227E-03	0.4239434	0.3323529
Std Error	0.2581736	0.4250236			4.675435E-02	

Trimmed Section of TDS when Phase=I,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	40.83007	40.98284	41.19468	40.88235	40.56209	40.20588
Trim-Std Dev	13.83346	11.34264	9.521396	5.555461	2.862416	1.108044
Count	45.9	40.8	35.7	25.5	15.3	5.1

Mean-Deviation Section of TDS when Phase=I,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	13.34948	13.29412	295.3495	304.5325	250973.6
Std Error	1.463306		56.66245	1332.701	85831.52

Descriptive Statistics Report

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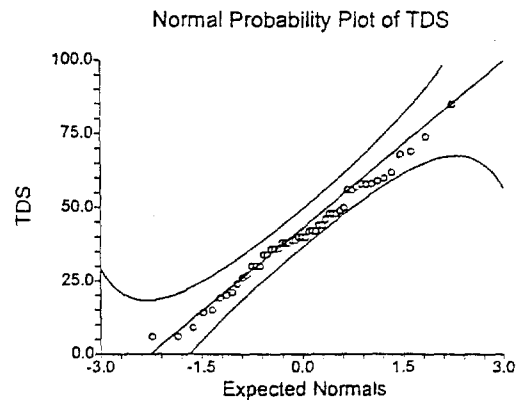
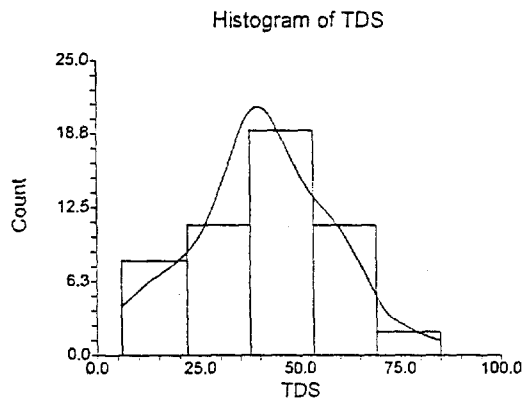
Quartile Section of TDS when Phase=I,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	15.8	30	40	56	61.6
95% LCL	6	19	36	44	57
95% UCL	26	36	46	59	74

Normality Test Section of TDS when Phase=I,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9866049	0.829783			Accept Normality
Anderson-Darling	0.2535863	0.732837			Accept Normality
Martinez-Iglewicz	0.9846409		1.092476	1.142205	Accept Normality
Kolmogorov-Smirnov	6.391347E-02		0.113	0.123	Accept Normality
D'Agostino Skewness	0.1946	0.845705	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.2043	0.838100	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.0796	0.960973	4.605	5.991	Accept Normality

Plots Section of TDS when Phase=I,Status=Ref



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Percentile Section of TDS when Phase=I,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	85			
95	71			
90	61.6	57	74	95.8204
85	58.2	56	69	95.2531
80	57.6	48	62	96.6358
75	56	44	59	96.6074
70	48.4	42	58	95.0242
65	47.6	40	57	95.9943
60	44	39	50	95.5724
55	42	38	48	95.0339
50	40	36	46	95.1126
45	39	34	42	95.0339
40	38	30	42	95.5724
35	36	27	40	95.9943
30	34	24	38	95.3153
25	30	19	36	95.8858
20	26.4	15	36	96.6358
15	20.8	9	30	95.2531
10	15.8	6	26	96.7491
5	7.8			
1	6			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=I,Status=Ref

Depth	Stem	Leaves
3	.	669
4	1*	4
6	.	59
9	2*	014
11	.	67
16	3*	00044
24	.	66688899
(8)	4*	00022244
19	.	68889
14	5*	0
13	.	6678889
6	6*	02
4	.	89
2	7*	4
1	.	
1	8*	
1	.	5

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-TDS.S0

Summary Section of TDS when Phase=I,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	35.65714	16.8801	2.853258	8	90	82

Counts Section of TDS when Phase=I,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	35	0	20	1248	54188	9687.886

Means Section of TDS when Phase=I,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	35.65714	34	31.43891	26.50634	1248	
Std Error	2.853258				99.86403	
95% LCL	29.85863	29			1045.052	
95% UCL	41.45566	38			1450.948	
T-Value	12.4970					
Prob Level	0.000000					
Count	35		35	35		

Variation Section of TDS when Phase=I,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	284.9378	16.8801	17.00466	2.853258	18	82
Std Error	91.8744	3.848615		0.6505347		
95% LCL	186.4274	13.65384		2.30792		
95% UCL	489.1327	22.11634		3.738344		

Skewness and Kurtosis Section of TDS when Phase=I,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.8395497	4.638789	0.8776188	2.092687	0.4734003	0.3512605
Std Error	0.4350944	1.086764			6.863385E-02	

Trimmed Section of TDS when Phase=I,Status=Study

Parameter	5%	10%	15%	25%	35%	45%
Trim-Mean	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed	Trimmed
Trim-Mean	34.69841	34.71429	34.70408	35.05714	35.02381	34.71429
Trim-Std Dev	12.25766	9.94562	7.636989	4.845759	1.939725	1.133893
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of TDS when Phase=I,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	11.9902	11.94286	276.7967	3866.231	355407.5
Std Error	1.716924		89.24942	3371.05	224410.8

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Database C:\Program Files\NCSS97\Data\FS12-SW-TDS.S0

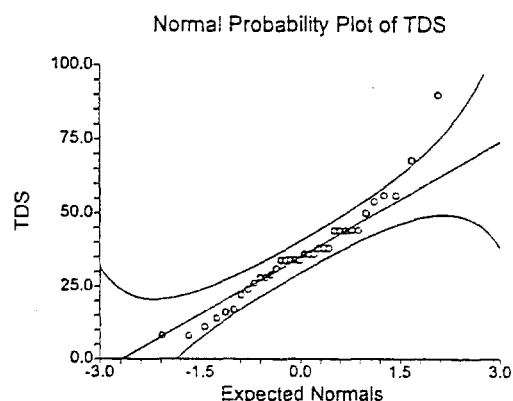
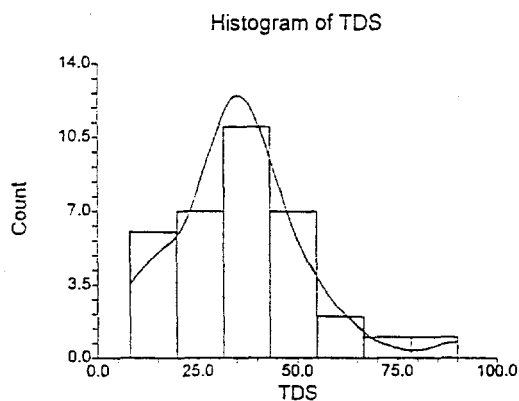
Quartile Section of TDS when Phase=I,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	12.8	26	34	44	56
95% LCL	8	14	29	38	44
95% UCL	24	34	38	56	90

Normality Test Section of TDS when Phase=I,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9410127	0.060079			Accept Normality
Anderson-Darling	0.5619142	0.146246			Accept Normality
Martinez-Iglewicz	1.234783		1.129221	1.196894	Reject Normality
Kolmogorov-Smirnov	0.139139		0.136	0.148	Accept Normality
D'Agostino Skewness	2.1468	0.031806	1.645	1.960	Reject Normality
D'Agostino Kurtosis	2.0448	0.040871	1.645	1.960	Reject Normality
D'Agostino Omnibus	8.7903	0.012337	4.605	5.991	Reject Normality

Plots Section of TDS when Phase=I,Status=Study



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Percentile Section of TDS when Phase=I,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	90			
95	72.4			
90	56	44	90	95.4978
85	52.4	44	68	96.4725
80	44	38	56	96.6778
75	44	38	56	95.0059
70	44	36	50	95.7141
65	38	34	44	96.8023
60	37.2	34	44	96.0789
55	36	34	44	95.9234
50	34	29	38	95.9040
45	34	28	38	95.9234
40	34	24	36	95.9785
35	30.2	22	36	96.8023
30	28	16	34	95.5000
25	26	14	34	95.0059
20	22.4	8	29	96.1688
15	16.4	8	28	96.7432
10	12.8	8	24	95.4978
5	8			
1	8			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of TDS when Phase=I,Status=Study

Depth	Stem	Leaves
2	.	88
4	1*	14
6	.	67
8	2*	24
12	.	6889
(6)	3*	144444
17	.	666888
11	4*	44444
6	.	
6	5*	04
4	.	66
2	6*	
2	.	8
High		90

Unit = 1 Example: 1 | 2 Represents 12

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Summary Section of TDS when Phase=II,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
62	70.44839	86.99519	11.0484	14	667	653

Counts Section of TDS when Phase=II,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	62	0	45	4367.8	769362.4	461657.9

Means Section of TDS when Phase=II,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	70.44839	49.7	54.35301	46.52547	4367.8	39
Std Error	11.0484				685.0008	
95% LCL	48.35575	42			2998.056	
95% UCL	92.54103	54			5737.544	
T-Value	6.3763					
Prob Level	0.000000					
Count	62		62	62		4

Variation Section of TDS when Phase=II,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	7568.163	86.99519	87.35244	11.0484	29.75	653
Std Error	5783.83	47.01162		5.970482		
95% LCL	5464.931	73.92517		9.388507		
95% UCL	11177.31	105.7228		13.42681		

Skewness and Kurtosis Section of TDS when Phase=II,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	5.509429	37.2111	5.646978	37.24273	1.234878	0.6609333
Std Error	1.475231	23.39322			0.3059072	

Trimmed Section of TDS when Phase=II,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	57.44086	53.30685	51.92581	50.49032	49.19247	49.77419
Trim-Std Dev	28.4433	15.65022	12.47218	8.936885	3.978843	0.8359553
Count	55.8	49.6	43.4	31	18.6	6.2

Mean-Deviation Section of TDS when Phase=II,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	39.42497	32.84839	7446.096	3539970	2.063145E+09
Std Error	6.653425		5690.542	3178562	1.889508E+09

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Database C:\Program Files\NCSS97\Data\FS12-SW-TDS.S0

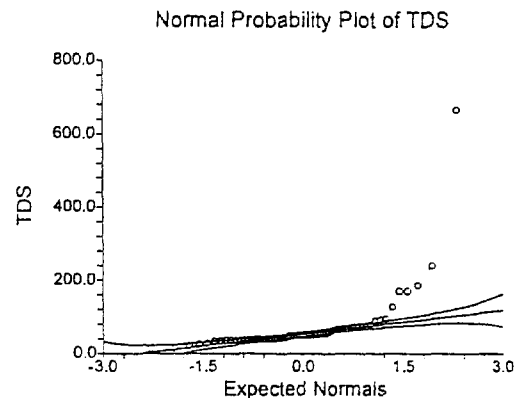
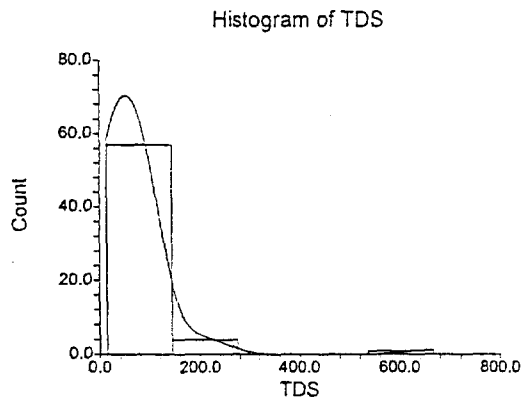
Quartile Section of TDS when Phase=II,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	34.3	39	49.7	68.75	117.07
95% LCL	14	36	42	54	74
95% UCL	37	42	54	89	240

Normality Test Section of TDS when Phase=II,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.4177014	0.000000			Reject Normality
Anderson-Darling	10.82178	0.000000			Reject Normality
Martinez-Iglewicz	21.36828		1.077884	1.120109	Reject Normality
Kolmogorov-Smirnov	0.320252		0.103	0.112	Reject Normality
D'Agostino Skewness	8.2916	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	6.4071	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	109.8011	0.000000	4.605	5.991	Reject Normality

Plots Section of TDS when Phase=II,Status=Ref



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Percentile Section of TDS when Phase=II,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	667			
95	183.6	89	667	95.4847
90	117.07	74	240	96.9815
85	84.05	68	170	96.9722
80	73.4	65	93.9	96.0635
75	68.75	54	89	96.1347
70	66.1	52.2	74	96.2837
65	57.42	50.3	71	95.4767
60	53.46	49	68	96.2079
55	51	48	65	95.8590
50	49.7	42	54	95.7043
45	48.35	40	52.2	95.8590
40	44	39	50.3	96.2079
35	42	38	49	95.0893
30	39.9	36.8	44	96.0033
25	39	36	42	96.1347
20	37.6	34	40	96.0077
15	36.18	26	39	95.0098
10	34.3	14	37	96.9815
5	22.6	14	36	95.4847
1	14			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=II,Status=Ref

Depth	Stem	Leaves
2	1*	44
2	.	
3	2*	2
5	.	68
6	3*	4
18	.	566667889999
26	4*	00022344
31	.	88999
31	5*	001122344
22	.	7
21	6*	3
20	.	56788
15	7*	1334
11	.	58
9	8*	
9	.	9
8	9*	23
High		127, 170, 170, 186, 240, 667

Unit = 1 Example: 1 | 2 Represents 12

Descriptive Statistics Report

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Summary Section of TDS when Phase=II,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
30	95.13333	128.3902	23.44074	24	567	543

Counts Section of TDS when Phase=II,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	30	0	20	2854	749548	478037.5

Means Section of TDS when Phase=II,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	95.13333	39	56.80517	43.93415	2854	36
Std Error	23.44074				703.2222	
95% LCL	47.19164	34			1415.749	
95% UCL	143.075	41			4292.251	
T-Value	4.0585					
Prob Level	0.000341					
Count	30		30	30		4

Variation Section of TDS when Phase=II,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	16484.05	128.3902	129.5016	23.44074	53.5	543
Std Error	7912.149	43.57601		7.955855		
95% LCL	10455.24	102.2509		18.66837		
95% UCL	29789.7	172.5969		31.51174		

Skewness and Kurtosis Section of TDS when Phase=II,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	2.345036	7.911658	2.470308	6.070874	1.349582	1.596581
Std Error	0.6732469	3.777177			0.1512795	

Trimmed Section of TDS when Phase=II,Status=Study

Parameter	5%	10%	15%	25%	35%	45%
Trim-Mean	76.57407	62.04167	53.04762	39	38.16667	38.5
Trim-Std Dev	88.19027	56.87246	40.69886	6.147008	1.912132	1.369306
Count	27	24	21	15	9	3

Mean-Deviation Section of TDS when Phase=II,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	89.67111	62.26667	15934.58	4716942	2.008856E+09
Std Error	14.1011		7648.411	2668218	1.321842E+09

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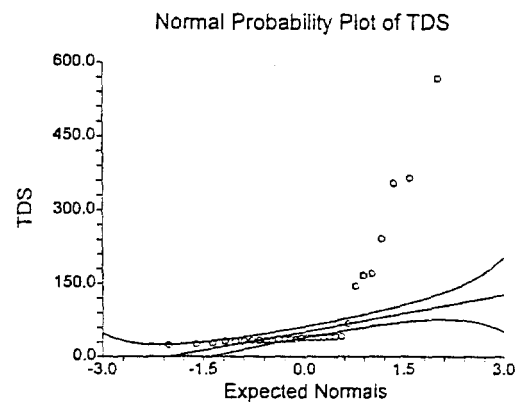
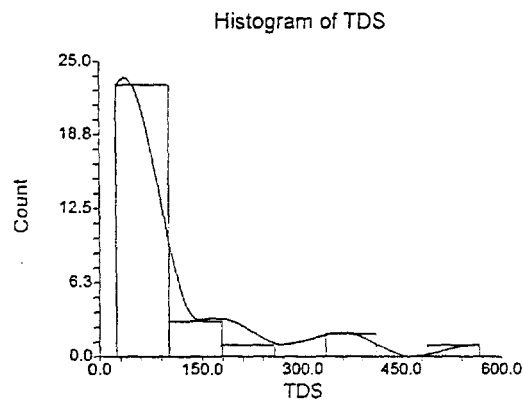
Quartile Section of TDS when Phase=II,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	28.4	33.75	39	87.25	343.7
95% LCL	24	28	34	40	42
95% UCL	34	36	41	355	567

Normality Test Section of TDS when Phase=II,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.5787667	0.000000			Reject Normality
Anderson-Darling	5.546616	0.000000			Reject Normality
Martinez-Iglewicz	307.651		1.148522	1.228175	Reject Normality
Kolmogorov-Smirnov	0.3938386		0.146	0.159	Reject Normality
D'Agostino Skewness	4.3530	0.000013	1.645	1.960	Reject Normality
D'Agostino Kurtosis	3.3376	0.000845	1.645	1.960	Reject Normality
D'Agostino Omnibus	30.0876	0.000000	4.605	5.991	Reject Normality

Plots Section of TDS when Phase=II,Status=Study



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Percentile Section of TDS when Phase=II,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	567			
95	455.9			
90	343.7	42	567	95.5589
85	195.2	42	567	96.4591
80	162.6	41	365	96.3861
75	87.25	40	355	96.7810
70	41.7	39	170	95.2908
65	41	36	167	96.4380
60	40	36	145	96.1577
55	39.05	36	42	95.4959
50	39	34	41	97.0551
45	36	34	40	95.4451
40	36	32	40	97.3101
35	35.85	32	39	96.2399
30	34.3	32	36	95.0631
25	33.75	28	36	96.7810
20	32.2	26	36	96.3861
15	32	24	34	96.4591
10	28.4	24	34	95.5589
5	25.1			
1	24			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of TDS when Phase=II,Status=Study

Depth	Stem	Leaves
1	2*	4
3	.	68
9	3*	222344
(8)	.	56666999
13	4*	00112
8	.	
8	5*	
8	.	
8	6*	
8	.	8
High		145, 167, 170, 242, 355, 365, 567

Unit = 1 Example: 1 |2 Represents 12

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-sussolids.S0

Summary Section of sus_solids when Phase=I,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
51	4.658039	15.77377	2.20877	1.27	114	112.73

Counts Section of sus_solids when Phase=I,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	51	0	9	237.56	13547.16	12440.6

Means Section of sus_solids when Phase=I,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	4.658039	1.27	2.111026	1.726928	237.56	1.27
Std Error	2.20877				112.6473	
95% LCL	0.2215938	1.27			11.30128	
95% UCL	9.094484	2			463.8187	
T-Value	2.1089					
Prob Level	0.039985					
Count	51		51	51		28

Variation Section of sus_solids when Phase=I,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	248.812	15.77377	15.85283	2.20877	1.73	112.73
Std Error	236.5676	10.60485		1.484977		
95% LCL	174.1888	13.19806		1.848098		
95% UCL	384.475	19.60803		2.745674		

Skewness and Kurtosis Section of sus_solids when Phase=I,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	6.723884	47.10397	6.929378	48.88194	3.386355	2.667747
Std Error	3.344527	46.6684			0.224134	

Trimmed Section of sus_solids when Phase=I,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	2.264085	1.997132	1.799566	1.612451	1.515719	1.277157
Trim-Std Dev	1.718245	1.181974	0.7555807	0.4758139	0.3568172	8.021887E-02
Count	45.9	40.8	35.7	25.5	15.3	5.1

Mean-Deviation Section of sus_solids when Phase=I,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	5.035048	3.388039	243.9333	25616.91	2802849
Std Error	1.32985		231.929	23796.67	2553409

Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-sussolids.S0

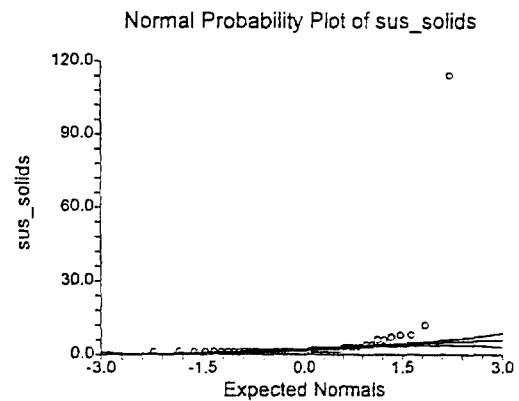
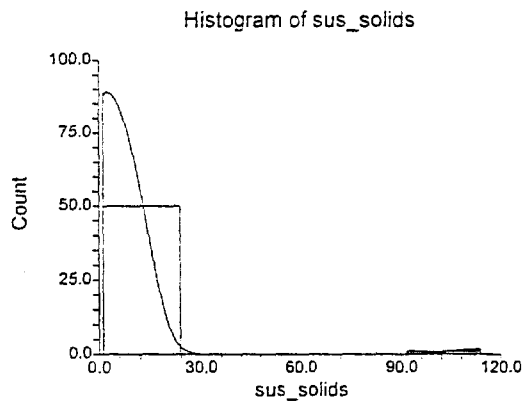
Quartile Section of sus_solids when Phase=I,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.27	1.27	1.27	3	6.8
95% LCL	1.27	1.27	1.27	2	3
95% UCL	1.27	1.27	2	6	12

Normality Test Section of sus_solids when Phase=I,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.1984867	0.000000			Reject Normality
Anderson-Darling	15.49259	0.000000			Reject Normality
Martinez-Iglewicz	0		1.092476	1.142205	Accept Normality
Kolmogorov-Smirnov	0.3953579		0.113	0.123	Reject Normality
D'Agostino Skewness	8.4140	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	6.4258	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	112.0859	0.000000	4.605	5.991	Reject Normality

Plots Section of sus_solids when Phase=I,Status=Ref



Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-sussolids.S0

Percentile Section of sus_solids when Phase=I,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	114			
95	9.6			
90	6.8	3	12	95.8204
85	4.4	3	8	95.2531
80	3	2	7	96.6358
75	3	2	6	96.6074
70	2	2	3	95.0242
65	2	1.27	3	95.9943
60	2	1.27	3	95.5724
55	1.708	1.27	2	95.0339
50	1.27	1.27	2	95.1126
45	1.27	1.27	2	95.0339
40	1.27	1.27	1.27	95.5724
35	1.27	1.27	1.27	95.9943
30	1.27	1.27	1.27	95.3153
25	1.27	1.27	1.27	95.8858
20	1.27	1.27	1.27	96.6358
15	1.27	1.27	1.27	95.2531
10	1.27	1.27	1.27	96.7491
5	1.27			
1	1.27			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of sus_solids when Phase=I,Status=Ref

Depth	Stem	Leaves
(28)	1T	2222222222222222222222222222
23	F	
23	S	
23	.	
23	2*	000000000
14	T	
14	F	
14	S	
14	.	
14	3*	00000
9	T	
9	F	
9	S	
9	.	
9	4*	00
High		60, 60, 70, 80, 80, 120, 1140

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of sus_solids when Phase=I,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
35	24.05314	93.72867	15.84304	1.27	501	499.73

Counts Section of sus_solids when Phase=I,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	35	0	7	841.86	318941.5	298692.2

Means Section of sus_solids when Phase=I,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	24.05314	1.27	2.387902	1.693453	841.86	1.27
Std Error	15.84304				554.5063	
95% LCL	-8.143782	1.27			-285.0323	
95% UCL	56.25007	2			1968.752	
T-Value	1.5182					
Prob Level	0.138205					
Count	35		35	35		18

Variation Section of sus_solids when Phase=I,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	8785.063	93.72867	94.42029	15.84304	0.73	499.73
Std Error	6723.171	50.72087		8.573392		
95% LCL	5747.838	75.8145		12.81499		
95% UCL	15080.7	122.8035		20.75758		

Skewness and Kurtosis Section of sus_solids when Phase=I,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	4.388983	21.49871	4.588	21.63487	3.896733	17.93948
Std Error	1.766246	16.65427			1.144408	

Trimmed Section of sus_solids when Phase=I,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	4.58373	1.720179	1.650714	1.614143	1.600238	1.530714
Trim-Std Dev	23.58461	0.5663283	0.4402834	0.3752837	0.3819857	0.4138711
Count	31.5	28	24.5	17.5	10.5	3.5

Mean-Deviation Section of sus_solids when Phase=I,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	40.87661	22.78314	8534.062	3460171	1.565756E+09
Std Error	9.533417		6531.081	2696944	1.263423E+09

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Database C:\Program Files\NCSS97\Data\FS12-SW-sussolids.S0

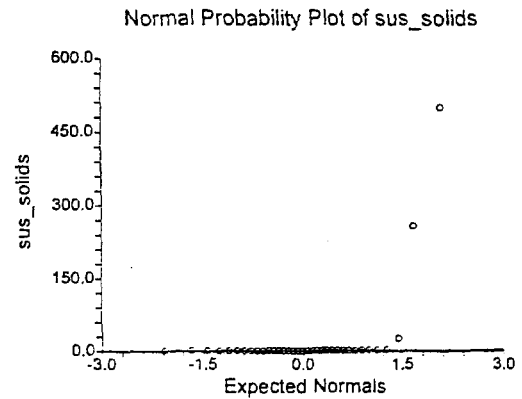
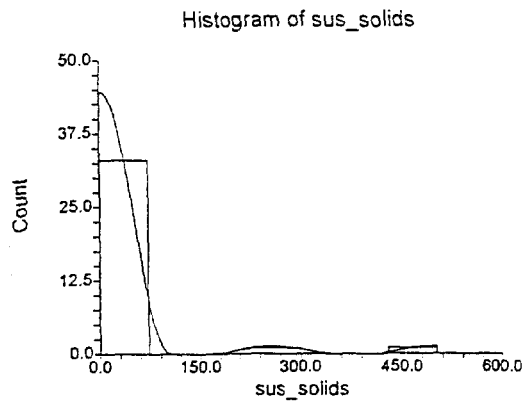
Quartile Section of sus_solids when Phase=I,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	1.27	1.27	1.27	2	13.1
95% LCL	1.27	1.27	1.27	2	2
95% UCL	1.27	1.27	2	3.5	501

Normality Test Section of sus_solids when Phase=I,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.2642761	0.000000			Reject Normality
Anderson-Darling	11.83141	0.000000			Reject Normality
Martinez-Iglewicz	0		1.129221	1.196894	Accept Normality
Kolmogorov-Smirnov	0.5010711		0.136	0.148	Reject Normality
D'Agostino Skewness	6.3234	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	5.1367	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	66.3713	0.000000	4.605	5.991	Reject Normality

Plots Section of sus_solids when Phase=I,Status=Study



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Percentile Section of sus_solids when Phase=I,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	501			
95	307.4			
90	13.1	2	501	95.4978
85	3	2	259	96.4725
80	2	2	27.5	96.6778
75	2	2	3.5	95.0059
70	2	2	3	95.7141
65	2	1.27	2	96.8023
60	2	1.27	2	96.0789
55	2	1.27	2	95.9234
50	1.27	1.27	2	95.9040
45	1.27	1.27	2	95.9234
40	1.27	1.27	2	95.9785
35	1.27	1.27	2	96.8023
30	1.27	1.27	1.27	95.5000
25	1.27	1.27	1.27	95.0059
20	1.27	1.27	1.27	96.1688
15	1.27	1.27	1.27	96.7432
10	1.27	1.27	1.27	95.4978
5	1.27			
1	1.27			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of sus_solids when Phase=I,Status=Study

Depth	Stem	Leaves
(18)	1T	222222222222222222
17	F	
17	S	
17	.	
17	2*	000000000000
6	T	
6	F	
6	S	
6	.	
6	3*	00
High		35, 275, 2590, 5010

Unit = .1 Example: 1 |2 Represents 1.2

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Database C:\Program Files\NCSS97\Data\FS12-SW-sussolids.S0

Summary Section of sus_solids when Phase=II,Status=Ref

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
62	1.417742	0.6775618	8.605043E-02	0.05	3	2.95

Counts Section of sus_solids when Phase=II,Status=Ref

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	62	0	24	87.9	152.624	28.00448

Means Section of sus_solids when Phase=II,Status=Ref

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.417742	1.27	1.154316	0.6080092	87.9	1.27
Std Error	8.605043E-02				5.335126	
95% LCL	1.245673	1.2			77.23176	
95% UCL	1.58981	1.5			98.56824	
T-Value	16.4757					
Prob Level	0.000000					
Count	62		62	62		10

Variation Section of sus_solids when Phase=II,Status=Ref

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	0.4590899	0.6775618	0.6803442	8.605043E-02	0.7	2.95
Std Error	8.355116E-02	8.719441E-02		0.0110737		
95% LCL	0.3315065	0.575766		7.312235E-02		
95% UCL	0.6780232	0.8234216		0.1045747		

Skewness and Kurtosis Section of sus_solids when Phase=II,Status=Ref

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	0.1757266	3.053531	0.1801139	0.1615023	0.4779161	0.3959868
Std Error	0.2054009	0.4029953			4.911455E-02	

Trimmed Section of sus_solids when Phase=II,Status=Ref

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.408781	1.410484	1.41083	1.382258	1.351613	1.278548
Trim-Std Dev	0.5285929	0.4150846	0.3245065	0.1978419	0.1282424	3.321531E-02
Count	55.8	49.6	43.4	31	18.6	6.2

Mean-Deviation Section of sus_solids when Phase=II,Status=Ref

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.5162331	0.5029032	0.4516852	5.334472E-02	0.6229799
Std Error	5.182018E-02		8.220356E-02	6.405397E-02	0.1691518

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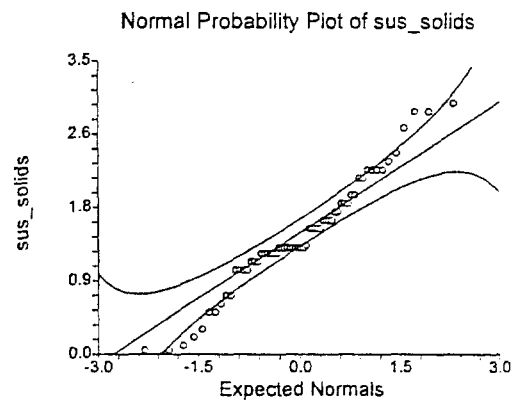
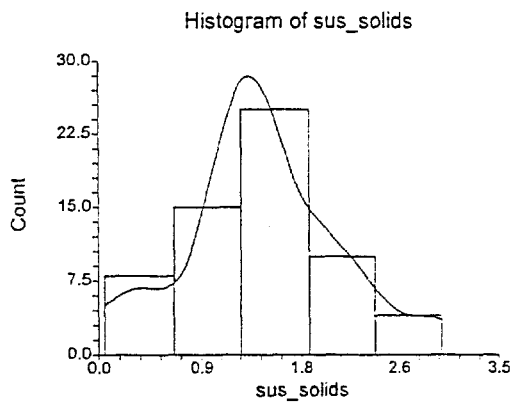
Quartile Section of sus_solids when Phase=II,Status=Ref

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.5	1.1	1.27	1.8	2.27
95% LCL	0.05	0.7	1.2	1.6	2.1
95% UCL	1	1.2	1.5	2.2	2.9

Normality Test Section of sus_solids when Phase=II,Status=Ref

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.9675788	0.100188			Accept Normality
Anderson-Darling	0.7946976	0.039499			Reject Normality
Martinez-Iglewicz	1.031208		1.077884	1.120109	Accept Normality
Kolmogorov-Smirnov	0.1185628		0.103	0.112	Reject Normality
D'Agostino Skewness	0.6160	0.537875	1.645	1.960	Accept Normality
D'Agostino Kurtosis	0.4825	0.629484	1.645	1.960	Accept Normality
D'Agostino Omnibus	0.6123	0.736293	4.605	5.991	Accept Normality

Plots Section of sus_solids when Phase=II,Status=Ref



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Percentile Section of sus_solids when Phase=II,Status=Ref

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	3			
95	2.87	2.2	3	95.4847
90	2.27	2.1	2.9	96.9815
85	2.2	1.8	2.7	96.9722
80	1.98	1.6	2.2	96.0635
75	1.8	1.6	2.2	96.1347
70	1.7	1.5	2.1	96.2837
65	1.6	1.27	1.8	95.4767
60	1.5	1.27	1.8	96.2079
55	1.43	1.27	1.6	95.8590
50	1.27	1.2	1.5	95.7043
45	1.27	1.2	1.5	95.8590
40	1.27	1.1	1.27	96.2079
35	1.2	1	1.27	95.0893
30	1.2	1	1.27	96.0033
25	1.1	0.7	1.2	96.1347
20	1	0.5	1.2	96.0077
15	0.7	0.2	1.1	95.0098
10	0.5	0.05	1	96.9815
5	0.115	0.05	0.7	95.4847
1	0.05			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of sus_solids when Phase=II,Status=Ref

Depth	Stem	Leaves
Low		0,0
3	0*	1
5	T	23
7	F	55
10	S	677
10	.	
17	1*	0000111
(17)	T	2222222222222223
28	F	55555
23	S	666677
17	.	88899
12	2*	11
10	T	22223
5	F	4
4	S	7
High		29, 29, 30

Unit = .1 Example: 1 |2 Represents 1.2

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Summary Section of sus_solids when Phase=II,Status=Study

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
30	2.951667	7.516039	1.372235	0.6	42.2	41.6

Counts Section of sus_solids when Phase=II,Status=Study

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
178	30	0	17	88.55	1899.604	1638.234

Means Section of sus_solids when Phase=II,Status=Study

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	2.951667	1.27	1.533696	1.284101	88.55	1.27
Std Error	1.372235				41.16704	
95% LCL	0.1451316	1.1			4.353948	
95% UCL	5.758202	1.5			172.746	
T-Value	2.1510					
Prob Level	0.039943					
Count	30		30	30		5

Variation Section of sus_solids when Phase=II,Status=Study

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	56.49084	7.516039	7.5811	1.372235	0.575	41.6
Std Error	52.11364	4.902836		0.8951313		
95% LCL	35.83011	5.985826		1.092857		
95% UCL	102.0893	10.10393		1.844716		

Skewness and Kurtosis Section of sus_solids when Phase=II,Status=Study

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	4.988153	26.53101	5.254621	28.21214	2.546371	1.511549
Std Error	2.535598	26.47972			0.1873633	

Trimmed Section of sus_solids when Phase=II,Status=Study

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.55	1.35625	1.340476	1.313333	1.294444	1.275
Trim-Std Dev	1.050952	0.350066	0.280187	0.1406194	5.502525E-02	1.369306E-02
Count	27	24	21	15	9	3

Mean-Deviation Section of sus_solids when Phase=II,Status=Study

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	2.996333	1.919667	54.60781	2012.899	79115.82
Std Error	0.8254867		50.37652	1763.864	67077.59

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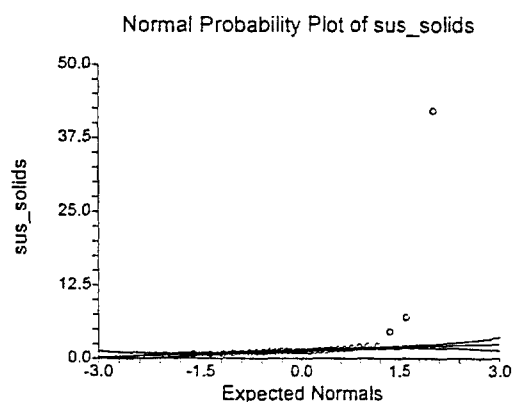
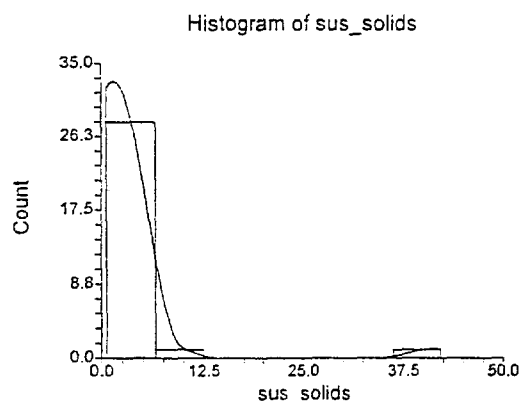
Quartile Section of sus_solids when Phase=II,Status=Study

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.8	1.075	1.27	1.65	4.35
95% LCL	0.6	0.8	1.1	1.3	1.6
95% UCL	1.1	1.27	1.5	4.6	42.2

Normality Test Section of sus_solids when Phase=II,Status=Study

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.2716911	0.000000			Reject Normality
Anderson-Darling	8.960125	0.000000			Reject Normality
Martinez-Iglewicz	366.5125		1.148522	1.228175	Reject Normality
Kolmogorov-Smirnov	0.4451089		0.146	0.159	Reject Normality
D'Agostino Skewness	6.4464	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	5.3267	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	69.9301	0.000000	4.605	5.991	Reject Normality

Plots Section of sus_solids when Phase=II,Status=Study



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Percentile Section of sus_solids when Phase=II,Status=Study

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	42.2			
95	22.84			
90	4.35	1.6	42.2	95.5589
85	2.1	1.6	42.2	96.4591
80	1.88	1.4	7	96.3861
75	1.65	1.3	4.6	96.7810
70	1.57	1.27	2.1	95.2908
65	1.415	1.27	1.9	96.4380
60	1.36	1.27	1.8	96.1577
55	1.3	1.2	1.6	95.4959
50	1.27	1.1	1.5	97.0551
45	1.27	1.1	1.4	95.4451
40	1.27	0.9	1.3	97.3101
35	1.2	0.9	1.27	96.2399
30	1.13	0.8	1.27	95.0631
25	1.075	0.8	1.27	96.7810
20	0.92	0.8	1.2	96.3861
15	0.865	0.6	1.1	96.4591
10	0.8	0.6	1.1	95.5589
5	0.71			
1	0.6			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of sus_solids when Phase=II,Status=Study

Depth	Stem	Leaves
1	S	6
6	.	88899
9	1*	011
(9)	T	22222233
12	F	445
9	S	66
7	.	89
5	2*	11
High		46, 70, 422

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Summary Section of Turbidity when Class=Ref.,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
269	1.166171	1.403756	0.0855885	0	10	10

Counts Section of Turbidity when Class=Ref.,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	269	58	36	313.7	893.93	528.1022

Means Section of Turbidity when Class=Ref.,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.166171	0.9	0.9941206	0.7177112	313.7	1
Std Error	0.0855885				23.02331	
95% LCL	0.9984206	0.8			268.5751	
95% UCL	1.333921	1			358.8249	
T-Value	13.6253					
Prob Level	0.000000					
Count	269		230	230		40

Variation Section of Turbidity when Class=Ref.,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	1.97053	1.403756	1.405066	0.0855885	0.8	10
Std Error	0.4868104	0.2452185		1.495124E-02		
95% LCL	1.675238	1.29431		7.891547E-02		
95% UCL	2.351861	1.533578		9.350389E-02		

Skewness and Kurtosis Section of Turbidity when Class=Ref.,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	3.413653	17.41745	3.432824	14.71171	1.203731	0.8285832
Std Error	0.3138429	3.439732			8.826894E-02	

Trimmed Section of Turbidity when Class=Ref.,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.9571045	0.9149628	0.9020977	0.8732342	0.8927509	0.9148699
Trim-Std Dev	0.6755922	0.5232852	0.4117966	0.1939853	0.10557	4.525861E-02
Count	242.1	215.2	188.3	134.5	80.7	26.9

Mean-Deviation Section of Turbidity when Class=Ref.,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8168848	0.7457249	1.963205	9.390048	67.12988
Std Error	5.158173E-02		0.4850007	3.257543	26.32417

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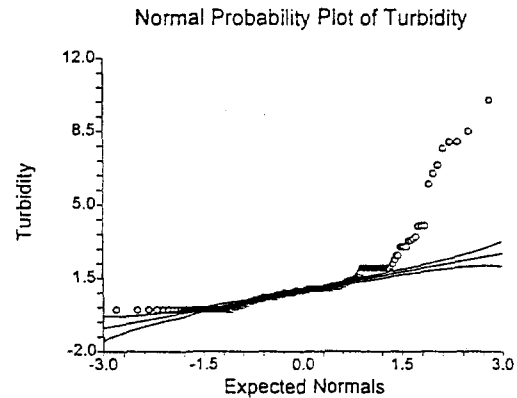
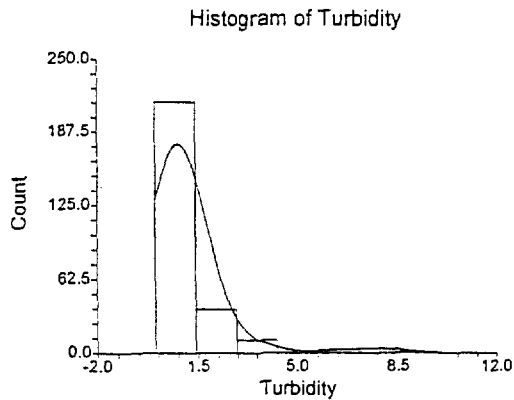
Quartile Section of Turbidity when Class=Ref.,PHASE=I

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0.5	0.9	1.3	2
95% LCL	0	0.3	0.8	1.1	2
95% UCL	0	0.6	1	1.6	3

Normality Test Section of Turbidity when Class=Ref.,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6415333	0.000000			Reject Normality
Anderson-Darling	24.10223	0.000000			Reject Normality
Martinez-Iglewicz	4.127981		1.020297	1.033088	Reject Normality
Kolmogorov-Smirnov	0.2362707		0.05	0.054	Reject Normality
D'Agostino Skewness	12.2596	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	8.4873	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	222.3309	0.000000	4.605	5.991	Reject Normality

Plots Section of Turbidity when Class=Ref.,PHASE=I



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	8.15			
95	3.35	2.6	6.5	95.2009
90	2	2	3	95.8004
85	2	1.6	2	95.0071
80	1.6	1.3	2	95.2531
75	1.3	1.1	1.6	95.1597
70	1.1	1	1.3	95.4190
65	1	1	1.1	95.1519
60	1	1	1	95.3744
55	1	0.9	1	95.5680
50	0.9	0.8	1	95.5590
45	0.8	0.8	0.9	95.7040
40	0.8	0.6	0.9	95.3744
35	0.7	0.6	0.8	95.2627
30	0.6	0.5	0.7	95.4190
25	0.5	0.3	0.6	95.1597
20	0.3	0.1	0.5	95.2531
15	0.1	0	0.3	95.0405
10	0	0	0	95.7551
5	0	0	0	95.2009
1	0			

Stem-Leaf Plot Section of Turbidity when Class=Ref.,PHASE=I

Unit = .1 Example: 1 | 2 Represents 1.2

Descriptive Statistics Report

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Summary Section of Turbidity when Class=Ref.,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
549	1.312933	1.471852	0.0628171	0	17.5	17.5

Counts Section of Turbidity when Class=Ref.,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	549	4	58	720.8	2133.52	1187.158

Means Section of Turbidity when Class=Ref.,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.312933	0.9	1.053783	0.8150164	720.8	0.6
Std Error	0.0628171				34.48658	
95% LCL	1.189813	0.8			653.2075	
95% UCL	1.436052	1			788.3925	
T-Value	20.9009					
Prob Level	0.000000					
Count	549		507	507		58

Variation Section of Turbidity when Class=Ref.,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	2.166347	1.471852	1.472523	0.0628171	0.9	17.5
Std Error	0.5476622	0.2631078		1.122917E-02		
95% LCL	1.931094	1.389638		5.930831E-02		
95% UCL	2.447606	1.564483		0.0667705		

Skewness and Kurtosis Section of Turbidity when Class=Ref.,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	4.434652	36.08664	4.446811	33.40097	1.121041	0.8862578
Std Error	0.9709289	12.40793			0.1076159	

Trimmed Section of Turbidity when Class=Ref.,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	1.129579	1.071516	1.006206	0.9430783	0.9211597	0.9255009
Trim-Std Dev	0.7705163	0.5932002	0.437666	0.2632111	0.1530939	6.141479E-02
Count	494.1	439.2	384.3	274.5	164.7	54.9

Mean-Deviation Section of Turbidity when Class=Ref.,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.8800694	0.797632	2.162401	14.10145	168.7404
Std Error	3.786251E-02		0.5466647	7.728172	123.9993

Descriptive Statistics Report

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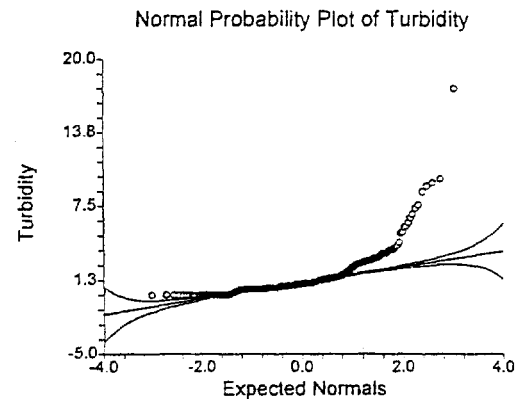
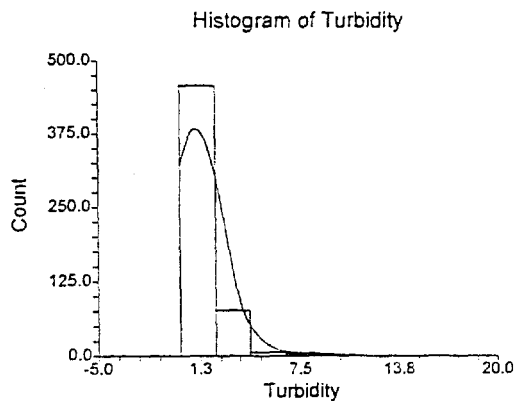
Quartile Section of Turbidity when Class=Ref.,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0.3	0.6	0.9	1.5	2.8
95% LCL	0	0.5	0.8	1.4	2.6
95% UCL	0.4	0.6	1	1.6	3.1

Normality Test Section of Turbidity when Class=Ref.,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.6378698	0.000000			Reject Normality
Anderson-Darling	45.16871	0.000000			Reject Normality
Martinez-Iglewicz	4.257948		1.008794	1.015871	Reject Normality
Kolmogorov-Smirnov	0.2253882		0.035	0.038	Reject Normality
D'Agostino Skewness	19.1689	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	13.5080	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	549.9145	0.000000	4.605	5.991	Reject Normality

Plots Section of Turbidity when Class=Ref.,PHASE=II



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Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	8.15	5.8	17.5	97.1655
95	3.5	3.1	4	95.0862
90	2.8	2.6	3.1	95.3596
85	2.4	2	2.7	95.1244
80	1.7	1.5	2.2	95.1818
75	1.5	1.4	1.6	95.1446
70	1.3	1.3	1.4	95.4844
65	1.2	1.1	1.3	95.1031
60	1.1	1	1.2	95.0011
55	1	0.9	1.1	95.1463
50	0.9	0.8	1	95.0480
45	0.8	0.8	0.9	95.1463
40	0.7	0.7	0.8	95.4992
35	0.7	0.6	0.7	95.1031
30	0.6	0.6	0.6	95.4344
25	0.6	0.5	0.6	95.1446
20	0.5	0.5	0.5	95.0820
15	0.5	0.4	0.5	95.1393
10	0.3	0	0.4	95.3464
5	0	0	0	95.0862
1	0	0	0	97.1655

Stem-Leaf Plot Section of Turbidity when Class=Ref.,PHASE=II

[illegible]

Unit = .1 Example: 1 |2 Represents 1.2

Descriptive Statistics Report

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Summary Section of Turbidity when Class=Study,PHASE=I

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
127	0.7259843	2.342066	0.2078247	0	17.2	17.2

Counts Section of Turbidity when Class=Study,PHASE=I

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	127	58	17	92.2	758.08	691.1442

Means Section of Turbidity when Class=Study,PHASE=I

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	0.7259843	0	0.5423245	0.2938357	92.2	0
Std Error	0.2078247				26.39374	
95% LCL	0.3147052	0			39.96756	
95% UCL	1.137263	0.1			144.4324	
T-Value	3.4933					
Prob Level	0.000659					
Count	127		57	57		70

Variation Section of Turbidity when Class=Study,PHASE=I

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	5.485272	2.342066	2.346717	0.2078247	0.4	17.2
Std Error	2.519572	0.7606988		6.750111E-02		
95% LCL	4.347847	2.085149		0.1850271		
95% UCL	7.138308	2.671761		0.2370805		

Skewness and Kurtosis Section of Turbidity when Class=Study,PHASE=I

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	4.799218	27.79545	4.856771	25.84884	3.226056	0
Std Error	0.9863618	11.10701			0.362427	

Trimmed Section of Turbidity when Class=Study,PHASE=I

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.2493001	0.1722441	0.1357705	8.503937E-02	3.963255E-02	0
Trim-Std Dev	0.4941377	0.2597163	0.1958979	0.1259071	6.190046E-02	0
Count	114.3	101.6	88.9	63.5	38.1	12.7

Mean-Deviation Section of Turbidity when Class=Study,PHASE=I

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	1.045421	0.7259843	5.44208	60.92814	823.1968
Std Error	0.1252177		2.499733	34.62537	555.3965

Descriptive Statistics Report

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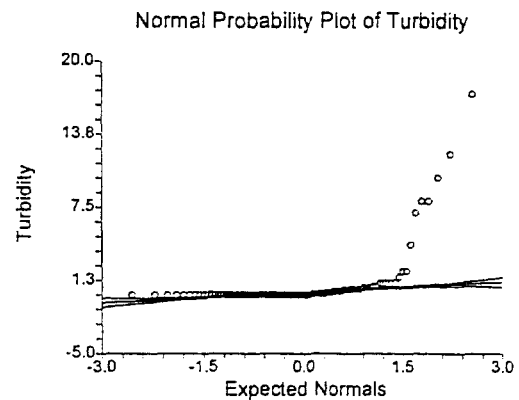
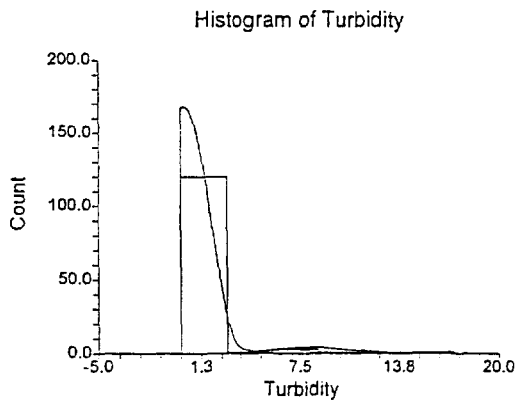
Quartile Section of Turbidity when Class=Study,PHASE=I

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0	0	0.4	1
95% LCL	0	0	0	0.3	0.6
95% UCL	0	0	0.1	0.6	7

Normality Test Section of Turbidity when Class=Study,PHASE=I

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.3334648	0.000000			Reject Normality
Anderson-Darling	33.40348	0.000000			Reject Normality
Martinez-Iglewicz	0		1.041337	1.064795	Accept Normality
Kolmogorov-Smirnov	0.3784418		0.072	0.078	Reject Normality
D'Agostino Skewness	10.2670	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	7.3091	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	158.8329	0.000000	4.605	5.991	Reject Normality

Plots Section of Turbidity when Class=Study,PHASE=I



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Percentile Section of Turbidity when Class=Study,PHASE=I

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	15.744			
95	5.92	1	12	96.2866
90	1	0.6	7	96.2386
85	0.68	0.5	1	95.3794
80	0.5	0.4	0.7	95.5102
75	0.4	0.3	0.6	95.9768
70	0.3	0.1	0.5	95.5914
65	0.2	0.1	0.4	95.9801
60	0.1	0	0.3	95.3747
55	0.04	0	0.2	95.0267
50	0	0	0.1	95.8362
45	0	0	0	95.0267
40	0	0	0	95.3747
35	0	0	0	95.9801
30	0	0	0	95.8448
25	0	0	0	95.9768
20	0	0	0	95.5102
15	0	0	0	95.3794
10	0	0	0	96.2386
5	0	0	0	96.2866
1	0			

Percentile Formula: Ave $X(p[n+1])$

Stem-Leaf Plot Section of Turbidity when Class=Study,PHASE=I

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Unit = .01 Example: 1 | 2 Represents 0.12

Descriptive Statistics Report

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Summary Section of Turbidity when Class=Study,PHASE=II

Count	Mean	Standard Deviation	Standard Error	Minimum	Maximum	Range
170	1.011765	2.75614	0.2113863	0	31.5	31.5

Counts Section of Turbidity when Class=Study,PHASE=II

Rows	Sum of Frequencies	Missing Values	Distinct Values	Sum	Total Sum Squares	Adjusted Sum Squares
1237	170	2	26	172	1457.8	1283.776

Means Section of Turbidity when Class=Study,PHASE=II

Parameter	Mean	Median	Geometric Mean	Harmonic Mean	Sum	Mode
Value	1.011765	0.6	0.6345088	0.4413552	172	0
Std Error	0.2113863				35.93568	
95% LCL	0.5944669	0.5			101.0594	
95% UCL	1.429063	0.6			242.9406	
T-Value	4.7863					
Prob Level	0.000004					
Count	170		143	143		27

Variation Section of Turbidity when Class=Study,PHASE=II

Parameter	Variance	Standard Deviation	Unbiased Std Dev	Std Error of Mean	Interquartile Range	Range
Value	7.596311	2.75614	2.760221	0.2113863	0.6	31.5
Std Error	5.514463	1.414773		0.1085082		
95% LCL	6.20515	2.491014		0.191052		
95% UCL	9.51675	3.084923		0.2366028		

Skewness and Kurtosis Section of Turbidity when Class=Study,PHASE=II

Parameter	Skewness	Kurtosis	Fisher's g1	Fisher's g2	Coefficient of Variation	Coefficient of Dispersion
Value	8.573531	90.58804	8.650043	90.25594	2.724092	1.286275
Std Error	1.775201	47.02776			0.5321622	

Trimmed Section of Turbidity when Class=Study,PHASE=II

Parameter	5% Trimmed	10% Trimmed	15% Trimmed	25% Trimmed	35% Trimmed	45% Trimmed
Trim-Mean	0.5816994	0.5323529	0.539916	0.5564706	0.5637255	0.5617647
Trim-Std Dev	0.5013059	0.2838576	0.2417345	0.1625299	7.973608E-02	5.009183E-02
Count	153	136	119	85	51	17

Mean-Deviation Section of Turbidity when Class=Study,PHASE=II

Parameter	X-Mean	X-Median	(X-Mean)^2	(X-Mean)^3	(X-Mean)^4
Average	0.9694118	0.7717647	7.551626	177.9182	5165.969
Std Error	0.1273794		5.482025	162.1112	4939.328

Descriptive Statistics Report

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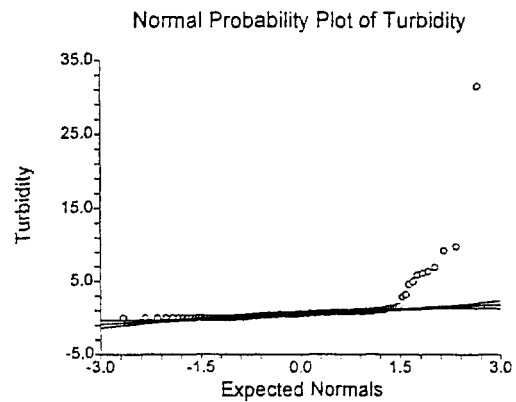
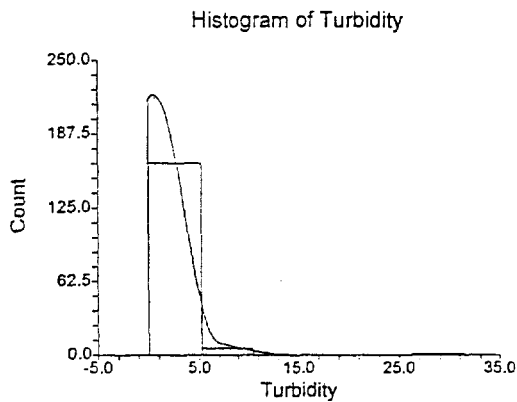
Quartile Section of Turbidity when Class=Study,PHASE=II

	10th	25th	50th	75th	90th
Parameter	Percentile	Percentile	Percentile	Percentile	Percentile
Value	0	0.2	0.6	0.8	1.18
95% LCL	0	0.1	0.5	0.8	0.9
95% UCL	0	0.4	0.6	0.9	3.2

Normality Test Section of Turbidity when Class=Study,PHASE=II

Test Name	Test Value	Prob Level	10% Critical Value	5% Critical Value	Decision (5%)
Shapiro-Wilk W	0.274484	0.000000			Reject Normality
Anderson-Darling	39.43638	0.000000			Reject Normality
Martinez-Iglewicz	51.34153		1.031672	1.050205	Reject Normality
Kolmogorov-Smirnov	0.4017029		0.062	0.068	Reject Normality
D'Agostino Skewness	14.3698	0.000000	1.645	1.960	Reject Normality
D'Agostino Kurtosis	9.6823	0.000000	1.645	1.960	Reject Normality
D'Agostino Omnibus	300.2394	0.000000	4.605	5.991	Reject Normality

Plots Section of Turbidity when Class=Study,PHASE=II



Descriptive Statistics Report

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Database C:\Program Files\NCSS97\Data\FS12-SW-turbidity-descrip.S0

Percentile Section of Turbidity when Class=Study,PHASE=II

Percentile	Value	95% LCL	95% UCL	Exact Conf. Level
99	16.093			
95	4.78	1.3	9.2	96.7740
90	1.18	0.9	3.2	95.9954
85	0.9	0.9	1.2	95.9062
80	0.9	0.8	0.9	95.6587
75	0.8	0.8	0.9	95.8362
70	0.8	0.7	0.8	95.5293
65	0.7	0.6	0.8	95.5402
60	0.6	0.6	0.7	95.7980
55	0.6	0.5	0.7	95.5272
50	0.6	0.5	0.6	95.3536
45	0.5	0.5	0.6	95.5272
40	0.5	0.4	0.5	95.7788
35	0.4	0.3	0.5	95.5115
30	0.3	0.2	0.5	95.4880
25	0.2	0.1	0.4	95.7743
20	0.1	0	0.2	95.6587
15	0	0	0.1	95.7762
10	0	0	0	95.7794
5	0	0	0	96.7740
1	0			

Percentile Formula: Ave X(p[n+1])

Stem-Leaf Plot Section of Turbidity when Class=Study,PHASE=II

Depth	Stem	Leaves
27	0	000000000000000000000000000000
35	1	00000000
46	2	00000000000
53	3	0000000
62	4	000000000
83	5	000000000000000000000000
(20)	6	000000000000000000000000
67	7	000000000000
55	8	000000000000000000000000
36	9	0000000000000000
22	10	00000
17	11	
17	12	0
16	13	000
13	14	
13	15	0
12	16	0
High		290, 320, 460, 500, 590, 610, 630, 690, 920, 980, 3150

Unit = .01 Example: 1 |2 Represents 0.12

Two-Sample Test Report

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 Database I:\35q850\05_Eco\Biota\Fs12-chlorophylla-epi.S0
 Variable Result

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=I,Class=Ref.	40	2.4175	1.213363	0.1918495	2.029448	2.805552
Phase=I,Class=Study	27	2.833333	2.550716	0.4908856	1.824304	3.842363

Note: T-alpha (Phase=I,Class=Ref.) = 2.0227, T-alpha (Phase=I,Class=Study) = 2.0555

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	65	-0.4158333	1.867033	0.4650263	-1.344555	0.5128883
Unequal	34.02	-0.4158333	2.824607	0.5270436	-1.486891	0.6552247

Note: T-alpha (Equal) = 1.9971, T-alpha (Unequal) = 2.0322

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-0.8942	0.374506	Accept Ho	0.142562	0.044458
Difference < 0	-0.8942	0.187253	Accept Ho	0.223647	0.073447
Difference > 0	-0.8942	0.812747	Accept Ho	0.005706	0.000682

Difference: (Phase=I,Class=Ref.)-(Phase=I,Class=Study)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-0.7890	0.435581	Accept Ho	0.119620	0.034484
Difference < 0	-0.7890	0.217790	Accept Ho	0.191742	0.058419
Difference > 0	-0.7890	0.782210	Accept Ho	0.007794	0.001018

Difference: (Phase=I,Class=Ref.)-(Phase=I,Class=Study)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=I,Class=Ref.)	3.1018	0.001924	Reject normality
Kurtosis Normality (Phase=I,Class=Ref.)	2.3533	0.018606	Reject normality
Omnibus Normality (Phase=I,Class=Ref.)	15.1590	0.000511	Reject normality
Skewness Normality (Phase=I,Class=Study)	4.2493	0.000021	Reject normality
Kurtosis Normality (Phase=I,Class=Study)	3.5247	0.000424	Reject normality
Omnibus Normality (Phase=I,Class=Study)	30.4799	0.000000	Reject normality
Variance-Ratio Equal-Variance Test	4.4192	0.000099	Reject equal variances
Modified-Levene Equal-Variance Test	2.0003	0.162039	Cannot reject equal variances

Two-Sample Test Report

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 Database I:\35q850\05_Eco\Biota\Fs12-chlorophylla-epi.S0
 Variable Result

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=I,Class=Ref.	583.5	1403.5	1360	78.1425
Phase=I,Class=Study	496.5	874.5	918	78.1425

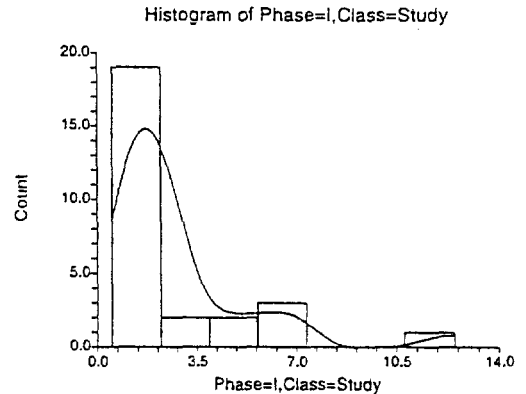
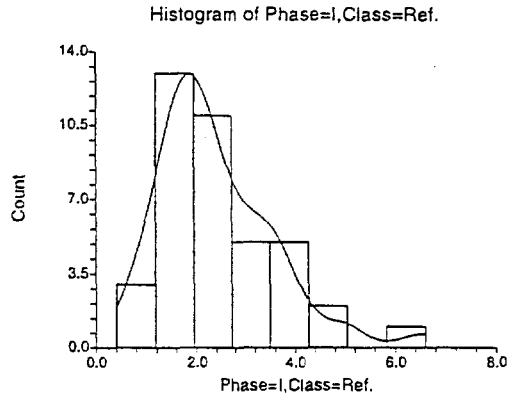
Number Sets of Ties = 15, Multiplicity Factor = 696

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction			
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0			-0.5567	0.577749	Accept Ho	0.5503	0.582130	Accept Ho
Diff<0			-0.5567	0.711125	Accept Ho	-0.5631	0.713308	Accept Ho
Diff>0			-0.5567	0.288875	Accept Ho	-0.5503	0.291065	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.182407	0.3387	.050	Accept Ho	0.5734
D(1)<D(2)	0.147222	0.3387	.025	Accept Ho	
D(1)>D(2)	0.182407	0.3387	.025	Accept Ho	

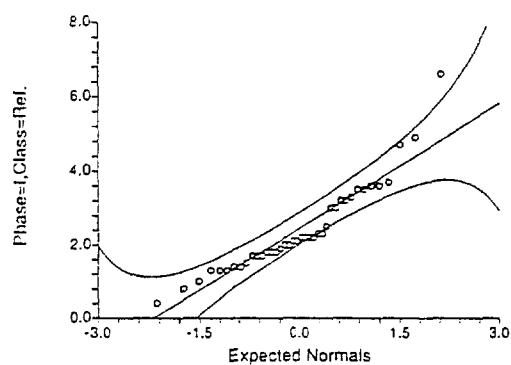
Plots Section



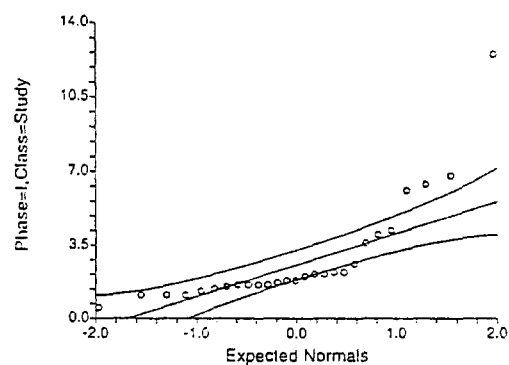
Two-Sample Test Report

Page/Date/Time 3 10-20-1999 13:56:47
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Variable Result

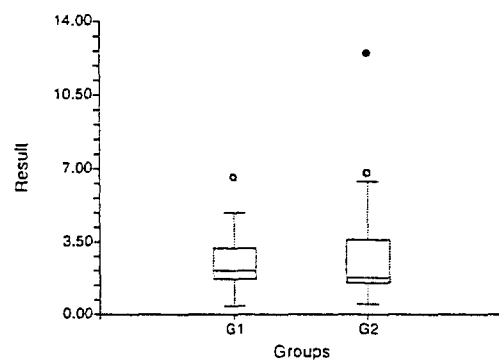
Normal Probability Plot of Phase=I, Class=Ref.



Normal Probability Plot of Phase=I, Class=Study



Box Plot



Two-Sample Test Report

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 Database I:\35q850\05_Eco\Biota\Fs12-chlorophylla-epi.S0
 Variable Result

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Phase=II,Class=Ref.	61	2.159016	1.220297	0.1562431	1.846484	2.471549
Phase=II,Class=Study	30	2.87	1.058024	0.1931678	2.474927	3.265073

Note: T-alpha (Phase=II,Class=Ref.) = 2.0003, T-alpha (Phase=II,Class=Study) = 2.0452

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	89	-0.7109836	1.169896	0.2608811	-1.229349	-0.1926185
Unequal	65.75	-0.7109836	1.615097	0.2484466	-1.207058	-0.2149096

Note: T-alpha (Equal) = 1.9870, T-alpha (Unequal) = 1.9967

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-2.7253	0.007734	Reject Ho	0.769087	0.539308
Difference < 0	-2.7253	0.003867	Reject Ho	0.855349	0.639629
Difference > 0	-2.7253	0.996133	Accept Ho	0.000007	0.000000

Difference: (Phase=II,Class=Ref.)-(Phase=II,Class=Study)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	-2.8617	0.005645	Reject Ho	0.805030	0.584586
Difference < 0	-2.8617	0.002822	Reject Ho	0.882430	0.683072
Difference > 0	-2.8617	0.997178	Accept Ho	0.000004	0.000000

Difference: (Phase=II,Class=Ref.)-(Phase=II,Class=Study)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Phase=II,Class=Ref.)	3.6233	0.000291	Reject normality
Kurtosis Normality (Phase=II,Class=Ref.)	1.2930	0.196019	Cannot reject normality
Omnibus Normality (Phase=II,Class=Ref.)	14.7998	0.000611	Reject normality
Skewness Normality (Phase=II,Class=Study)	3.1697	0.001526	Reject normality
Kurtosis Normality (Phase=II,Class=Study)	2.6268	0.008618	Reject normality
Omnibus Normality (Phase=II,Class=Study)	16.9472	0.000209	Reject normality
Variance-Ratio Equal-Variance Test	1.3303	0.376314	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.4068	0.525245	Cannot reject equal variances

Two-Sample Test Report

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 Database I:\35q850\05_Eco\Biota\Fs12-chlorophylla-epi.S0
 Variable Result

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Phase=II,Class=Ref.	494.5	2385.5	2806	118.3671
Phase=II,Class=Study	1335.5	1800.5	1380	118.3671

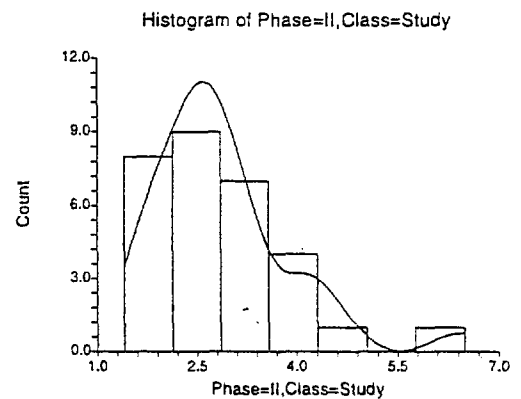
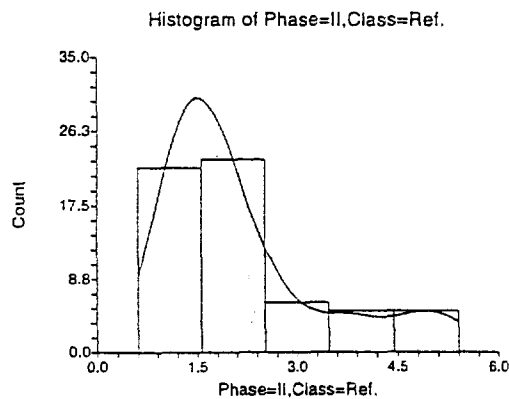
Number Sets of Ties = 23, Multiplicity Factor = 1056

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value
Diff<>0			3.5525	0.000382	Reject Ho	3.5483
Diff<0			3.5525	0.000191	Reject Ho	3.5483
Diff>0			3.5525	0.999809	Accept Ho	3.5567

Kolmogorov-Smirnov Test For Different Distributions

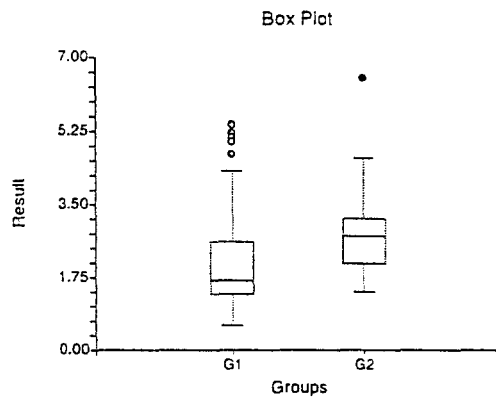
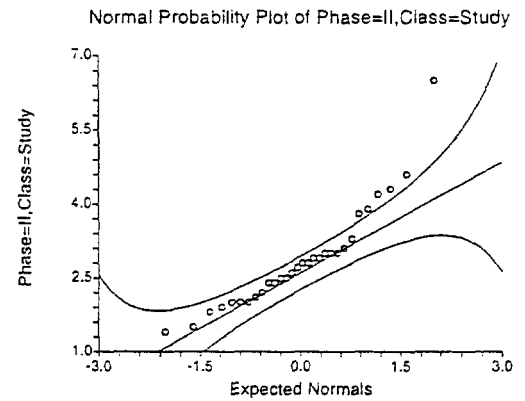
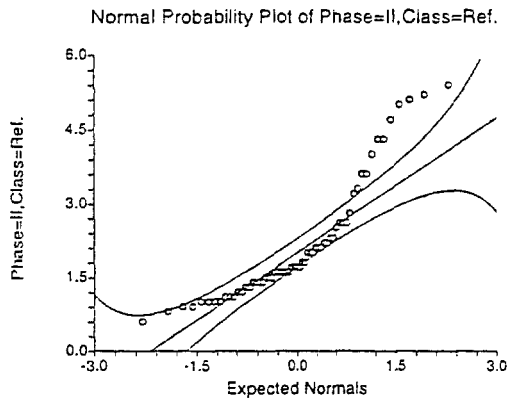
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.457923	0.3033	.050	Reject Ho	0.0002
D(1)<D(2)	0.457923	0.3033	.025	Reject Ho	
D(1)>D(2)	0.048634	0.3033	.025	Accept Ho	

Plots Section



Two-Sample Test Report

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Database I:\35q850\05_Eco\Biota\Fs12-chlorophylla-epi.S0
Variable Result



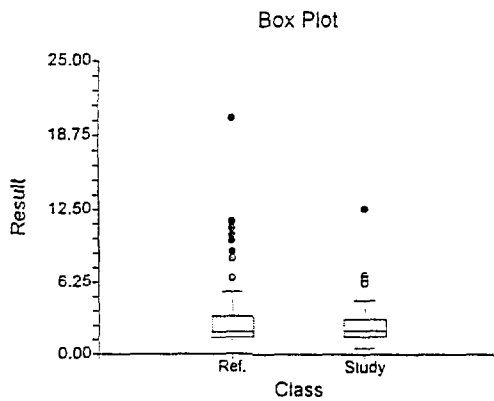
Analysis of Variance Report

Page/Date/Time 1 11-12-1999 11:24:20
 Database CHLOPHYA A -- Reference : study (CAS)
 Response Result

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	10.3644	0.000000	Reject
Kurtosis Normality of Residuals	7.5929	0.000000	Reject
Omnibus Normality of Residuals	165.0731	0.000000	Reject
Modified-Levene Equal-Variance Test	1.0529	0.306126	Accept

Box Plot Section



Expected Mean Squares Section

Source	Term	DF	Fixed?	Denominator Term	Expected Mean Square
A: Class		1	Yes	S(A)	S+sA
S(A)		194	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Class		1	3.465791	3.465791	0.58	0.448891	0.117432
S(A)		194	1167.738	6.019267			
Total (Adjusted)		195	1171.204				
Total		196					

• Term significant at alpha = 0.05

Analysis of Variance Report

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Database

Response Result

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	2.681061E-02	0.869936	Accept Ho
Corrected for Ties	1	2.684263E-02	0.869859	Accept Ho
Number Sets of Ties	35			
Multiplicity Factor	8982			

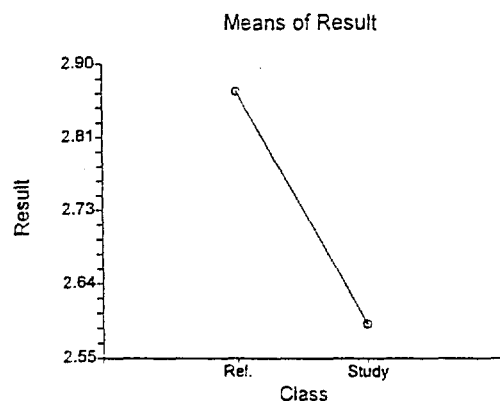
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	125	12250.00	98.00	-0.1637	2
Study	71	7056.00	99.38	0.1637	2.1

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	196	2.766582		2.784153E-02
A: Class				
Ref.	125	2.8668	0.2194405	2.838959
Study	71	2.590141	0.2911673	2.562299

Plots of Means Section



Analysis of Variance Report

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 Database
 Response Result

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Result
 Term A: Class

Alpha=0.050 Error Term=S(A) DF=194 MSE=6.019267 Critical Value=1.972268

Group	Count	Mean	Different From Groups
Study	71	2.590141	
Ref.	125	2.8668	

Fisher's LSD Multiple-Comparison Test

Response: Result
 Term A: Class

Alpha=0.050 Error Term=S(A) DF=194 MSE=6.019267 Critical Value=1.972268

Group	Count	Mean	Different From Groups
Study	71	2.590141	
Ref.	125	2.8668	

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	Ref.	Study
Ref.	0.0000	0.1638
Study	0.1638	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

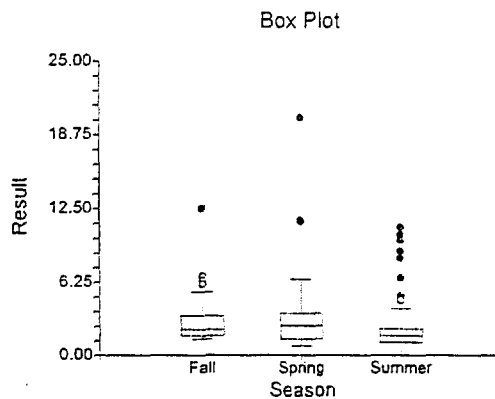
Analysis of Variance Report

Page/Date/Time 1 11-12-1999 11:25:07
 Database CHLOROPHYLL a - SEASON
 Response Result

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	10.4134	0.000000	Reject
Kurtosis Normality of Residuals	7.5617	0.000000	Reject
Omnibus Normality of Residuals	165.6181	0.000000	Reject
Modified-Levene Equal-Variance Test	1.1437	0.320783	Accept

Box Plot Section



Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Season		2	Yes	S(A)	S+sA
S(A)		193	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Season		2	33.25126	16.62563	2.82	0.062079	0.549142
S(A)		193	1137.952	5.896126			
Total (Adjusted)		195	1171.204				
Total		196					

* Term significant at alpha = 0.05

Analysis of Variance Report

Page/Date/Time 2 11-12-1999 11:25:07

Database

Response Result

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	16.23629	0.000298	Reject Ho
Corrected for Ties	2	16.25569	0.000295	Reject Ho
Number Sets of Ties	35			
Multiplicity Factor	8982			

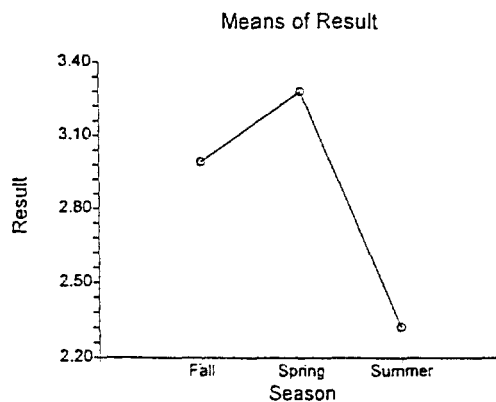
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	57	6612.00	116.00	2.7658	2.3
Spring	51	5602.00	109.84	1.6603	2.6
Summer	88	7092.00	80.59	-3.9899	1.75

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	196	2.766582		0.0438432
A: Season				
Fall	57	2.991228	0.3216222	2.947385
Spring	51	3.276471	0.3400152	3.232627
Summer	88	2.325568	0.2588463	2.281725

Plots of Means Section



Analysis of Variance Report

Page/Date/Time 3 11-12-1999 11:25:07

Database

Response Result

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Result

Term A: Season

Alpha=0.050 Error Term=S(A) DF=193 MSE=5.896126 Critical Value=2.415028

Group	Count	Mean	Different From Groups
Summer	88	2.325568	
Fall	57	2.991228	
Spring	51	3.276471	

Fisher's LSD Multiple-Comparison Test

Response: Result

Term A: Season

Alpha=0.050 Error Term=S(A) DF=193 MSE=5.896126 Critical Value=1.972332

Group	Count	Mean	Different From Groups
Summer	88	2.325568	Spring
Fall	57	2.991228	
Spring	51	3.276471	Summer

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	Fall	Spring	Summer
Fall	0.0000	0.5635	3.6737
Spring	0.5635	0.0000	2.9320
Summer	3.6737	2.9320	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

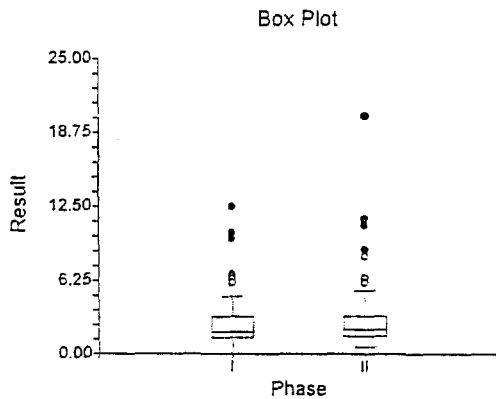
Analysis of Variance Report

Page/Date/Time 1 11-12-1999 11:25:35
 Database CHlorophyll a - Phase I Phase II
 Response Result

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	10.3938	0.000000	Reject
Kurtosis Normality of Residuals	7.5905	0.000000	Reject
Omnibus Normality of Residuals	165.6468	0.000000	Reject
Modified-Levene Equal-Variance Test	0.2643	0.607776	Accept

Box Plot Section



Expected Mean Squares Section

Source	DF	Term	Denominator	Expected Mean Square
Term		Fixed?	Term	
A: Phase	1	Yes	S(A)	S+sA
S(A)	194	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
Term						
A: Phase	1	7.778469	7.778469	1.30	0.256157	0.205189
S(A)	194	1163.425	5.997037			
Total (Adjusted)	195	1171.204				
Total	196					

* Term significant at alpha = 0.05

Analysis of Variance Report

Page/Date/Time 2 11-12-1999 11:25:35
Database
Response Result

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	1.962014	0.161298	Accept Ho
Corrected for Ties	1	1.964357	0.161048	Accept Ho
Number Sets of Ties	35			
Multiplicity Factor	8982			

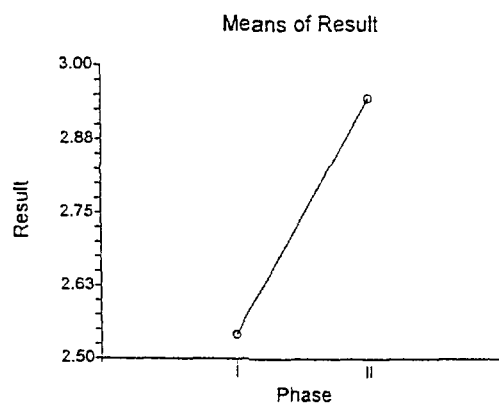
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	86	7919.00	92.08	-1.4007	1.95
II	110	11387.00	103.52	1.4007	2.15

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	196	2.766582		2.797962E-02
A: Phase				
I	86	2.541279	0.26407	2.513299
II	110	2.942727	0.233492	2.914748

Plots of Means Section



Analysis of Variance Report

Page/Date/Time 3 11-12-1999 11:25:35
Database
Response Result

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Result
Term A: Phase

Alpha=0.050 Error Term=S(A) DF=194 MSE=5.997037 Critical Value=1.972268

Group	Count	Mean	Different From Groups
I	86	2.541279	
II	110	2.942727	

Fisher's LSD Multiple-Comparison Test

Response: Result
Term A: Phase

Alpha=0.050 Error Term=S(A) DF=194 MSE=5.997037 Critical Value=1.972268

Group	Count	Mean	Different From Groups
I	86	2.541279	
II	110	2.942727	

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	I	II
I	0.0000	1.4016
II	1.4016	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

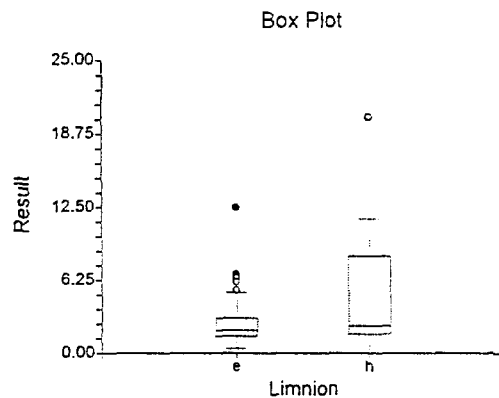
Analysis of Variance Report

Page/Date/Time 1 11-12-1999 11:26:00
 Database Chicago Army a - LIMNION
 Response Result

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	9.0202	0.000000	Reject
Kurtosis Normality of Residuals	7.1484	0.000000	Reject
Omnibus Normality of Residuals	132.4631	0.000000	Reject
Modified-Levene Equal-Variance Test	36.8361	0.000000	Reject

Box Plot Section



Expected Mean Squares Section

Source	DF	Term	Denominator	Expected Mean Square
Term		Fixed?	Term	
A: Limnion	1	Yes	S(A)	S+sA
S(A)	194	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
Term						
A: Limnion	1	147.2303	147.2303	27.89	0.000000*	0.999508
S(A)	194	1023.973	5.278213			
Total (Adjusted)	195	1171.204				
Total	196					

* Term significant at alpha = 0.05

Analysis of Variance Report

Page/Date/Time 2 11-12-1999 11:26:01

Database

Response Result

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	4.244417	0.039380	Reject Ho
Corrected for Ties	1	4.249486	0.039262	Reject Ho
Number Sets of Ties	35			
Multiplicity Factor	8982			

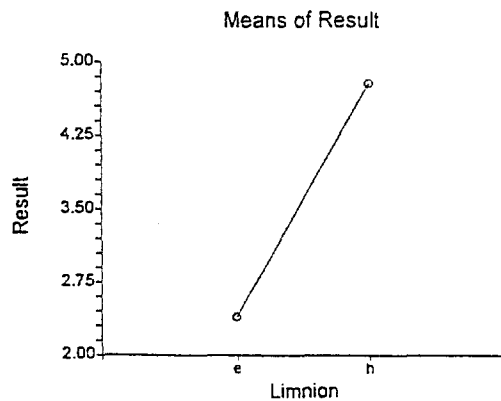
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
e	165	15655.50	94.88	-2.0602	2
h	31	3650.50	117.76	2.0602	2.4

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	196	2.766582		0.0365155
A: Limnion				
e	165	2.390909	0.1788552	2.354393
h	31	4.766129	0.4126317	4.729613

Plots of Means Section



Analysis of Variance Report

Page/Date/Time 3 11-12-1999 11:26:01

Database

Response Result

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Result

Term A: Limnion

Alpha=0.050 Error Term=S(A) DF=194 MSE=5.278213 Critical Value=1.972268

Group	Count	Mean	Different From Groups
e	165	2.390909	h
h	31	4.766129	e

Fisher's LSD Multiple-Comparison Test

Response: Result

Term A: Limnion

Alpha=0.050 Error Term=S(A) DF=194 MSE=5.278213 Critical Value=1.972268

Group	Count	Mean	Different From Groups
e	165	2.390909	h
h	31	4.766129	e

Kruskal-Wallis Multiple-Comparison Z-Value Test

Result	e	h
e	0.0000	2.0614
h	2.0614	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

Two-Sample Test Report

Page/Date/Time 1 11-02-1999 09:45:55
 Database C:\Program Files\NCSS97\Phase I Benthics-FS12.S0
 Variable Count_Area

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Status=Ref.	17	0.5809417	0.6788924	0.1646556	0.2318875	0.9299961
Status=Study	12	0.5020313	0.800331	0.2310357	-6.474808E-03	1.010537

Note: T-alpha (Status=Ref.) = 2.1199, T-alpha (Status=Study) = 2.2010

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	27	7.891051E-02	0.7308074	0.2755414	-0.4864537	0.6442748
Unequal	21.24	7.891051E-02	1.049488	0.2837057	-0.5106753	0.6684963

Note: T-alpha (Equal) = 2.0518, T-alpha (Unequal) = 2.0782

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.2864	0.776770	Accept Ho	0.058793	0.012762
Difference < 0	0.2864	0.611615	Accept Ho	0.027167	0.004676
Difference > 0	0.2864	0.388385	Accept Ho	0.086036	0.019993

Difference: (Status=Ref.)-(Status=Study)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.2781	0.783592	Accept Ho	0.058132	0.012517
Difference < 0	0.2781	0.608204	Accept Ho	0.027790	0.004832
Difference > 0	0.2781	0.391796	Accept Ho	0.084494	0.019449

Difference: (Status=Ref.)-(Status=Study)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Status=Ref.)	2.3992	0.016431	Reject normality
Kurtosis Normality (Status=Ref.)	1.4530	0.146222	Cannot reject normality
Omnibus Normality (Status=Ref.)	7.8674	0.019572	Reject normality
Skewness Normality (Status=Study)	2.7787	0.005457	Reject normality
Kurtosis Normality (Status=Study)	1.7426	0.081401	Cannot reject normality
Omnibus Normality (Status=Study)	10.7580	0.004612	Reject normality
Variance-Ratio Equal-Variance Test	1.3898	0.560919	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.0232	0.880123	Cannot reject equal variances

Two-Sample Test Report

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 Database C:\Program Files\NCSS97\Phase I Benthics-FS12.S0
 Variable Count_Area

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Status=Ref.	117	270	255	22.58318
Status=Study	87	165	180	22.58318

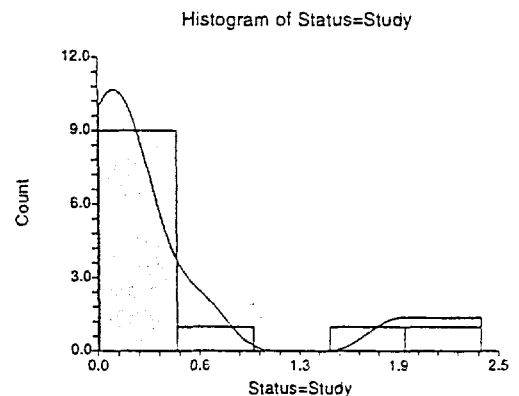
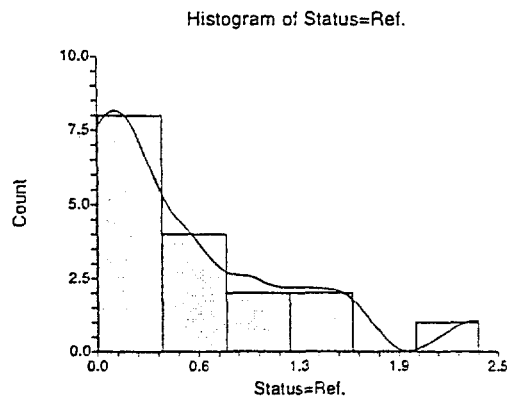
Number Sets of Ties = 0, Multiplicity Factor = 0

Alternative Hypothesis	Exact Probability		Approximation Without Correction			Approximation With Correction		
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)
Diff<>0	0.526780	Accept Ho	-0.6642	0.506555	Accept Ho	0.6421	0.520827	Accept Ho
Diff<0	0.736610	Accept Ho	-0.6642	0.746722	Accept Ho	-0.6864	0.753754	Accept Ho
Diff>0	0.263390	Accept Ho	-0.6642	0.253278	Accept Ho	-0.6421	0.260414	Accept Ho

Kolmogorov-Smirnov Test For Different Distributions

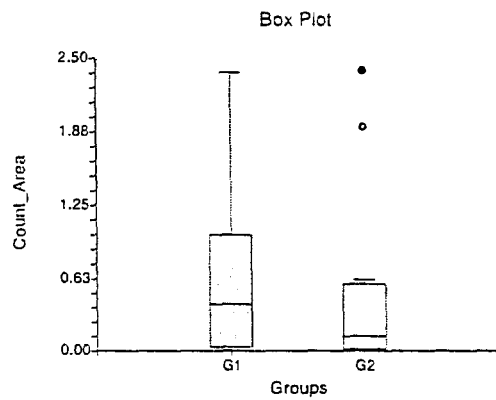
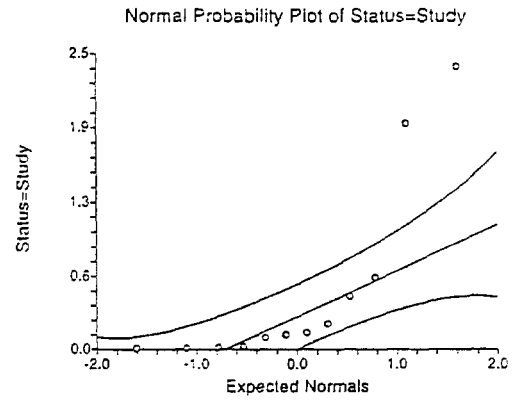
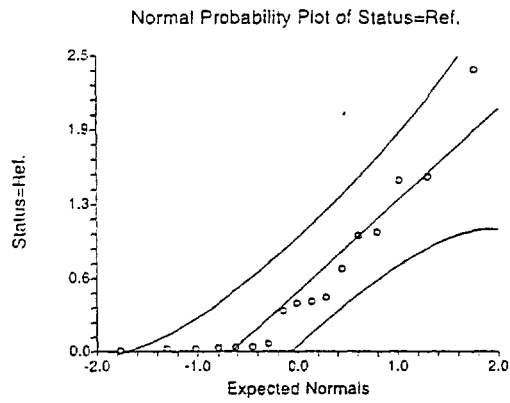
Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.254902	0.4811	.050	Accept Ho	0.6411
D(1)<D(2)	0.107843	0.4811	.025	Accept Ho	
D(1)>D(2)	0.254902	0.4811	.025	Accept Ho	

Plots Section



Two-Sample Test Report

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Variable Count_Area



Two-Sample Test Report

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 Variable Resultx

Descriptive Statistics Section

Variable	Count	Mean	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Classx=Ref.	37	0.3072162	0.274004	4.504598E-02	0.2158587	0.3985737
Classx=Study	19	0.2439474	0.2035246	4.669175E-02	0.1458516	0.3420431

Note: T-alpha (Classx=Ref.) = 2.0281, T-alpha (Classx=Study) = 2.1009

Confidence-Limits of Difference Section

Variance Assumption	DF	Mean Difference	Standard Deviation	Standard Error	95% LCL of Mean	95% UCL of Mean
Equal	54	6.326885E-02	0.2527044	7.132294E-02	-7.972504E-02	0.2062627
Unequal	46.82	6.326885E-02	0.3413216	6.487881E-02	-6.726371E-02	0.1938014

Note: T-alpha (Equal) = 2.0049, T-alpha (Unequal) = 2.0119

Equal-Variance T-Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.8871	0.378972	Accept Ho	0.140485	0.043411
Difference < 0	0.8871	0.810514	Accept Ho	0.005852	0.000707
Difference > 0	0.8871	0.189486	Accept Ho	0.220984	0.071970

Difference: (Classx=Ref.)-(Classx=Study)

Aspin-Welch Unequal-Variance Test Section

Alternative Hypothesis	T-Value	Prob Level	Decision (5%)	Power (Alpha=.05)	Power (Alpha=.01)
Difference <> 0	0.9752	0.334480	Accept Ho	0.159302	0.051279
Difference < 0	0.9752	0.832760	Accept Ho	0.004579	0.000530
Difference > 0	0.9752	0.167240	Accept Ho	0.247070	0.083943

Difference: (Classx=Ref.)-(Classx=Study)

Tests of Assumptions Section

Assumption	Value	Probability	Decision(5%)
Skewness Normality (Classx=Ref.)	3.8183	0.000134	Reject normality
Kurtosis Normality (Classx=Ref.)	2.6577	0.007867	Reject normality
Omnibus Normality (Classx=Ref.)	21.6427	0.000020	Reject normality
Skewness Normality (Classx=Study)	2.0744	0.038039	Reject normality
Kurtosis Normality (Classx=Study)	1.0990	0.271769	Cannot reject normality
Omnibus Normality (Classx=Study)	5.5111	0.063575	Cannot reject normality
Variance-Ratio Equal-Variance Test	1.8125	0.153046	Cannot reject equal variances
Modified-Levene Equal-Variance Test	0.2471	0.621113	Cannot reject equal variances

Two-Sample Test Report

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 Variable Resultsx

Mann-Whitney U or Wilcoxon Rank-Sum Test for Difference in Medians

Variable	Mann Whitney U	W Sum Ranks	Mean of W	Std Dev of W
Classx=Ref.	400	1103	1054.5	57.77958
Classx=Study	303	493	541.5	57.77958

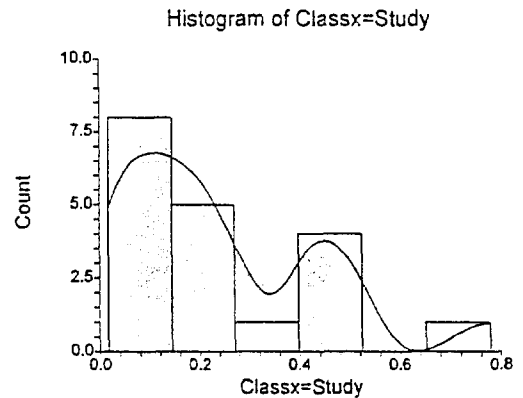
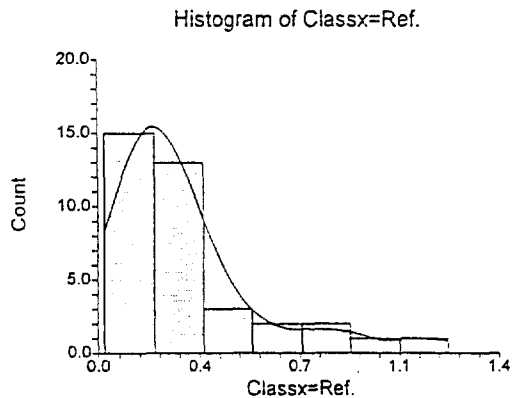
Number Sets of Ties = 7, Multiplicity Factor = 42

Alternative Hypothesis	Exact Probability		Approximation Without Correction		Approximation With Correction	
	Prob Level	Decision (5%)	Z-Value	Prob Level	Decision (5%)	Prob Level
Diff<>0			-0.8394	0.401247	Accept Ho	0.8307
Diff<0			-0.8394	0.799377	Accept Ho	-0.8481
Diff>0			-0.8394	0.200623	Accept Ho	-0.8307

Kolmogorov-Smirnov Test For Different Distributions

Alternative Hypothesis	Dmn Criterion Value	Reject Ho if Greater Than	Test Alpha Level	Decision (Test Alpha)	Prob Level
D(1)<>D(2)	0.197724	0.3639	.050	Accept Ho	0.6273
D(1)<D(2)	0.072546	0.3639	.025	Accept Ho	
D(1)>D(2)	0.197724	0.3639	.025	Accept Ho	

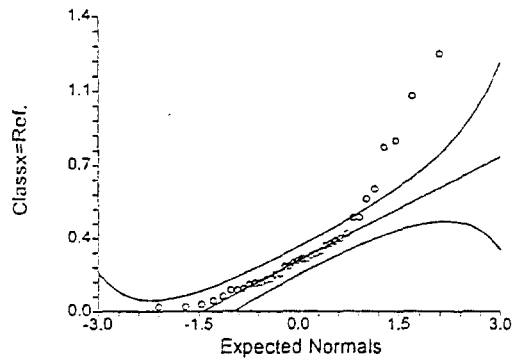
Plots Section



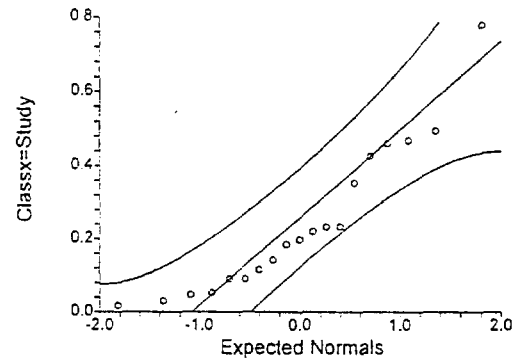
Two-Sample Test Report

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Variable Resultx

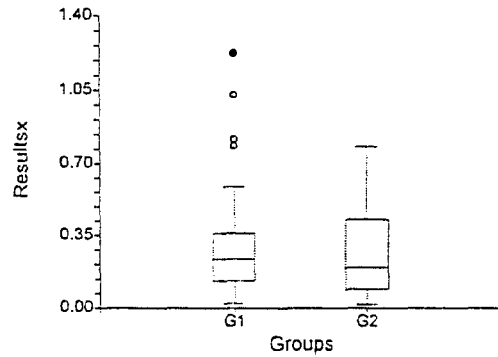
Normal Probability Plot of Classx=Ref.



Normal Probability Plot of Classx=Study



Box Plot



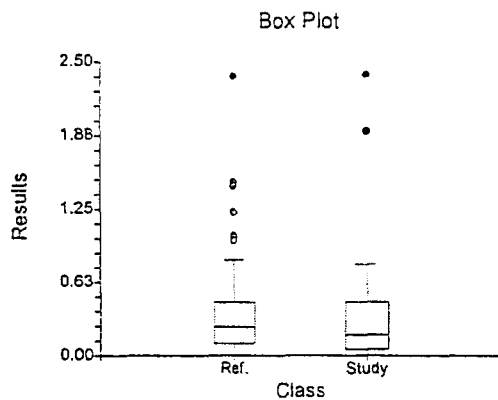
Analysis of Variance Report

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 Database I:\35q850\05_Eco\Biota\FS-12_benthic_1998.S0
 Response Results

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	6.4667	0.000000	Reject
Kurtosis Normality of Residuals	4.6589	0.000003	Reject
Omnibus Normality of Residuals	63.5241	0.000000	Reject
Modified-Levene Equal-Variance Test	0.0148	0.903617	Accept

Box Plot Section



Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Class		1	Yes	S(A)	S+sA
S(A)		83	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Class		1	4.837089E-02	4.837089E-02	0.21	0.648799	0.073697
S(A)		83	19.21567	0.2315141			
Total (Adjusted)		84	19.26404				
Total		85					

• Term significant at alpha = 0.05

Analysis of Variance Report

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 Response Results

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	1.302409	0.253774	Accept Ho
Corrected for Ties	1	1.302587	0.253741	Accept Ho
Number Sets of Ties	11			
Multiplicity Factor	84			

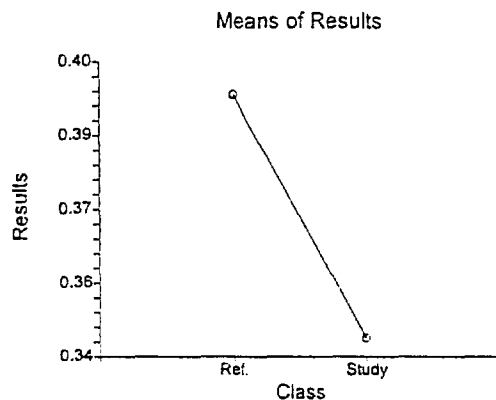
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Ref.	54	2447.00	45.31	1.1412	0.25
Study	31	1208.00	38.97	-1.1412	0.185

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	85	0.3752588		8.671854E-03
A: Class				
Ref.	54	0.3933333	6.547746E-02	0.3846615
Study	31	0.3437742	8.641873E-02	0.3351023

Plots of Means Section



Analysis of Variance Report

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Response Results

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Results
Term A: Class

Alpha=0.050 Error Term=S(A) DF=83 MSE=0.2315141 Critical Value=1.98896

Group	Count	Mean	Different From Groups
Study	31	0.3437742	
Ref.	54	0.3933333	

Fisher's LSD Multiple-Comparison Test

Response: Results
Term A: Class

Alpha=0.050 Error Term=S(A) DF=83 MSE=0.2315141 Critical Value=1.98896

Group	Count	Mean	Different From Groups
Study	31	0.3437742	
Ref.	54	0.3933333	

Kruskal-Wallis Multiple-Comparison Z-Value Test

Results	Ref.	Study
Ref.	0.0000	1.1413
Study	1.1413	0.0000

Regular Test: Medians significantly different if z-value > 1.9600
Bonferroni Test: Medians significantly different if z-value > 1.9600

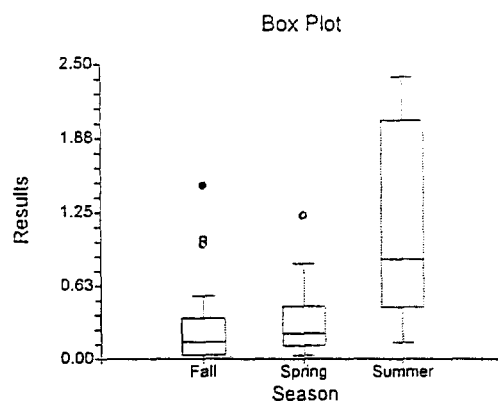
Analysis of Variance Report

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 Response Results

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	4.1083	0.000040	Reject
Kurtosis Normality of Residuals	3.2119	0.001319	Reject
Omnibus Normality of Residuals	27.1942	0.000001	Reject
Modified-Levene Equal-Variance Test	13.3182	0.000010	Reject

Box Plot Section



Expected Mean Squares Section

Source	DF	Term	Denominator	Expected
Term		Fixed?	Term	Mean Square
A: Season	2	Yes	S(A)	S+sA
S(A)	82	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
Term						
A: Season	2	6.804692	3.402346	22.39	0.000000*	0.999989
S(A)	82	12.45935	0.1519432			
Total (Adjusted)	84	19.26404				
Total	85					

* Term significant at alpha = 0.05

Analysis of Variance Report

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 Database I:\35q850\05_Eco\Biota\FS-12_benthic_1998.S0
 Response Results

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

Ho: All medians are equal.

Ha: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	2	16.8546	0.000219	Reject Ho
Corrected for Ties	2	16.85691	0.000219	Reject Ho
Number Sets of Ties	11			
Multiplicity Factor	84			

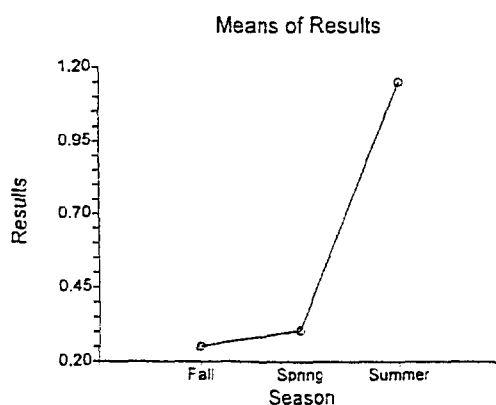
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
Fall	45	1620.50	36.01	-2.7690	0.155
Spring	30	1321.00	44.03	0.2851	0.226
Summer	10	713.50	71.35	3.8669	0.859

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	85	0.3752588		2.003111E-02
A: Season				
Fall	45	0.2506444	0.0581078	0.2306133
Spring	30	0.3049	7.116723E-02	0.2848689
Summer	10	1.1471	0.1232653	1.127069

Plots of Means Section



Analysis of Variance Report

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 Database I:\35q850\05_Eco\Biot\FS-12_benthic_1998.S0
 Response Results

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Results
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=82 MSE=0.1519432 Critical Value=2.444083

Group	Count	Mean	Different From Groups
Fall	45	0.2506444	Summer
Spring	30	0.3049	Summer
Summer	10	1.1471	Fall, Spring

Fisher's LSD Multiple-Comparison Test

Response: Results
 Term A: Season

Alpha=0.050 Error Term=S(A) DF=82 MSE=0.1519432 Critical Value=1.989319

Group	Count	Mean	Different From Groups
Fall	45	0.2506444	Summer
Spring	30	0.3049	Summer
Summer	10	1.1471	Fall, Spring

Kruskal-Wallis Multiple-Comparison Z-Value Test

Results	Fall	Spring	Summer
Fall	0.0000	1.3791	4.0958
Spring	1.3791	0.0000	3.0312
Summer	4.0958	3.0312	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 2.3940

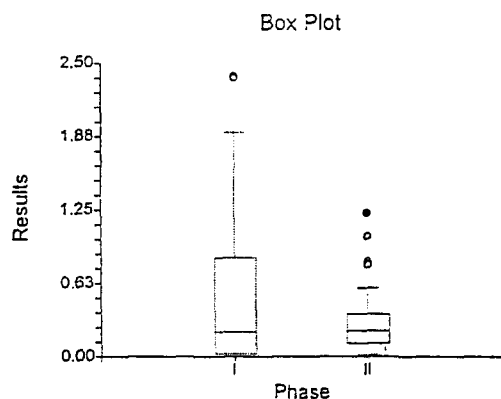
Analysis of Variance Report

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 Response Results

Tests of Assumptions Section

Assumption	Test Value	Prob Level	Decision (0.05)
Skewness Normality of Residuals	5.6082	0.000000	Reject
Kurtosis Normality of Residuals	4.1052	0.000040	Reject
Omnibus Normality of Residuals	48.3043	0.000000	Reject
Modified-Levene Equal-Variance Test	13.3154	0.000459	Reject

Box Plot Section



Expected Mean Squares Section

Source	Term	DF	Term Fixed?	Denominator Term	Expected Mean Square
A: Phase		1	Yes	S(A)	S+sA
S(A)		83	No		S(A)

Note: Expected Mean Squares are for the balanced cell-frequency case.

Analysis of Variance Table

Source	Term	DF	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (Alpha=0.05)
A: Phase		1	1.315045	1.315045	6.08	0.015723*	0.683466
S(A)		83	17.94899	0.2162529			
Total (Adjusted)		84	19.26404				
Total		85					

* Term significant at alpha = 0.05

Analysis of Variance Report

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 Database I:\35q850\05_Eco\Biota\FS-12_benthic_1998.S0
 Response Results

Kruskal-Wallis One-Way ANOVA on Ranks

Hypotheses

H₀: All medians are equal.

H_a: At least two medians are different.

Test Results

Method	DF	Chi-Square (H)	Prob Level	Decision(0.05)
Not Corrected for Ties	1	0	1.000000	Accept H ₀
Corrected for Ties	1	0	1.000000	Accept H ₀
Number Sets of Ties	11			
Multiplicity Factor	84			

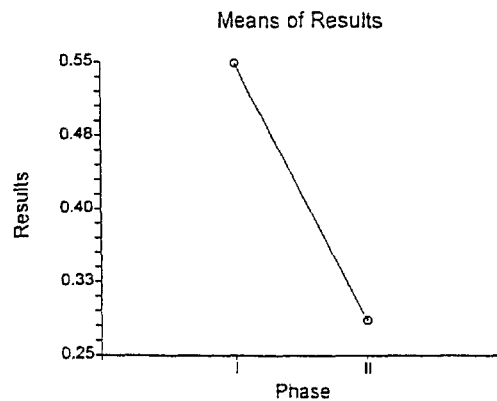
Group Detail

Group	Count	Sum of Ranks	Mean Rank	Z-Value	Median
I	29	1247.00	43.00	0.0000	0.219
II	56	2408.00	43.00	0.0000	0.226

Means and Effects Section

Term	Count	Mean	Standard Error	Effect
All	85	0.3752588		9.810041E-03
A: Phase				
I	29	0.5481035	8.635391E-02	0.5382934
II	56	0.28575	6.214225E-02	0.27594

Plots of Means Section



Analysis of Variance Report

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Database I:\35q850\05_Eco\Biotol\FS-12_benthic_1998.S0
Response Results

Bonferroni (All-Pairwise) Multiple Comparison Test

Response: Results
Term A: Phase

Alpha=0.050 Error Term=S(A) DF=83 MSE=0.2162529 Critical Value=1.98896

Group	Count	Mean	Different From Groups
II	56	0.28575	I
I	29	0.5481035	II

Fisher's LSD Multiple-Comparison Test

Response: Results
Term A: Phase

Alpha=0.050 Error Term=S(A) DF=83 MSE=0.2162529 Critical Value=1.98896

Group	Count	Mean	Different From Groups
II	56	0.28575	I
I	29	0.5481035	II

Kruskal-Wallis Multiple-Comparison Z-Value Test

Results	I	II
I	0.0000	0.0000
II	0.0000	0.0000

Regular Test: Medians significantly different if z-value > 1.9600

Bonferroni Test: Medians significantly different if z-value > 1.9600

APPENDIX D

BIOTA

Phytoplankton

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP01	Phyrrrophyta	Peridinium limbatum	4.79
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	2.39
Peters Pond	05/19/1998	ECPTP01	Diatom	Bacillariophyta	61.35
Peters Pond	05/19/1998	ECPTP01	Diatom	Asterionella formosa	81.81
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Uroglenopsis sp.	14.37
Peters Pond	05/19/1998	ECPTP01	Diatom	Tabellaria sp.	7.18
Peters Pond	05/19/1998	ECPTP01	Phyrrrophyta	Ceratium hirundinella	10.23
Peters Pond	05/19/1998	ECPTP01	Phyrrrophyta	Peridinium sp.	2.39
Peters Pond	05/19/1998	ECPTP01	Cyanophyta	Chroococcales	1114.61
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Oocystis sp.	21.55
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Mallomonas sp.	2.39
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Mallomonas akromonas	2.39
Peters Pond	05/19/1998	ECPTP01	Indeterminate	Indeterminate protozoan	38.31
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Indeterminate Chlorophyta	7.18
Peters Pond	05/19/1998	ECPTP01	Indeterminate	Indeterminate	11.97
Peters Pond	05/19/1998	ECPTP01	Diatom	Stephanodiscus sp.	19.16
Peters Pond	05/19/1998	ECPTP01	Indeterminate	Indeterminate	10.23
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Tetrasporales	30.68
Peters Pond	05/19/1998	ECPTP01	Diatom	Tabellaria sp.	102.26
Peters Pond	05/19/1998	ECPTP01	Diatom	Stephanodiscus sp.	20.45
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Schroederia setigera	10.23
Peters Pond	05/19/1998	ECPTP01	Phyrrrophyta	Peridinium limbatum	30.68
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Botryococcus sp.	61.35
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Micractinaceae	51.13
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Mallomonas sp.	10.23
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	20.45
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	30.68
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysosphaerella sp.	357.90
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysophyta	10.23
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysomonadales	81.81

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP01	Cryptophyta	Chroomonas sp.	30.68
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Bitrichia spp.	3.09
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Cosmarium sp.	6.18
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Mallomonas akromonas	3.09
Peters Pond	05/19/1998	ECPTP01	Indeterminate	Indeterminate protozoan	18.55
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Indeterminate Chlorophyta	9.28
Peters Pond	05/19/1998	ECPTP01	Indeterminate	Indeterminate	15.46
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	37.11
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Oocystis sp.	21.65
Peters Pond	05/19/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	21.65
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysomonadales	58.75
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysosphaerella sp.	15.46
Peters Pond	05/19/1998	ECPTP01	Cryptophyta	Chroomonas sp.	30.92
Peters Pond	05/19/1998	ECPTP01	Phyrrhophyta	Ceratium hirundinella	3.09
Peters Pond	05/19/1998	ECPTP01	Diatom	Bacillariophyta	21.65
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	40.71
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Ochromonas sp.	30.68
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Dinobryon divergens	9.28
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysosphaerella sp.	320.87
Peters Pond	05/19/1998	ECPTP01	Chlorophyta	Elakatothrix gelatinosa	23.95
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Dinobryon divergens	4.79
Peters Pond	05/19/1998	ECPTP01	Cyanophyta	Chroococcales	30.92
Peters Pond	05/19/1998	ECPTP01	Phyrrhophyta	Peridinium sp.	3.09
Peters Pond	05/19/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	19.16
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysophyta	11.97
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Chrysomonadales	62.26
Peters Pond	05/19/1998	ECPTP01	Cryptophyta	Chroomonas sp.	38.31
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Uroglenopsis sp.	6.18
Peters Pond	05/19/1998	ECPTP01	Cyanophyta	Chroococcales	74.23
Peters Pond	05/19/1998	ECPTP01	Diatom	Stephanodiscus sp.	27.83
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Bitrichia spp.	2.39
Peters Pond	05/19/1998	ECPTP01	Diatom	Bacillariophyta	67.05

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP01	Chrysophyta	Stokesiella spp.	6.18
Peters Pond	05/19/1998	ECPTP01	Diatom	Tabellaria sp.	18.55
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Arthrodesmus incus	44.34
Peters Pond	05/19/1998	ECPTP02	Diatom	Tabellaria sp.	68.72
Peters Pond	05/19/1998	ECPTP02	Diatom	Surirella sp.	11.45
Peters Pond	05/19/1998	ECPTP02	Diatom	Stephanodiscus sp.	114.53
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Ochromonas sp.	11.45
Peters Pond	05/19/1998	ECPTP02	Phyrrhophyta	Peridinium limbatum	51.54
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Elakatothrix viridis	62.99
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Oocystis sp.	74.44
Peters Pond	05/19/1998	ECPTP02	Diatom	Asterionella formosa	88.69
Peters Pond	05/19/1998	ECPTP02	Indeterminate	Indeterminate	11.09
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Mallomonas sp.	5.73
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Spondylosium sp.	22.91
Peters Pond	05/19/1998	ECPTP02	Diatom	Bacillariophyta	33.26
Peters Pond	05/19/1998	ECPTP02	Phyrrhophyta	Ceratium hirundinella	11.09
Peters Pond	05/19/1998	ECPTP02	Cyanophyta	Chroococcales	1119.66
Peters Pond	05/19/1998	ECPTP02	Cryptophyta	Chroomonas sp.	144.11
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Chrysomonadales	121.94
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Elakatothrix gelatinosa	188.46
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Mallomonas akromonas	11.09
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Mallomonas sp.	11.09
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Oocystis sp.	55.43
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Elakatothrix gelatinosa	34.36
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Elakatothrix gelatinosa	51.54
Peters Pond	05/19/1998	ECPTP02	Phyrrhophyta	Peridinium limbatum	11.09
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	22.17
Peters Pond	05/19/1998	ECPTP02	Diatom	Stephanodiscus sp.	45.10
Peters Pond	05/19/1998	ECPTP02	Diatom	Synedra sp.	88.69
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Ankistrodesmus falcatus	6.44
Peters Pond	05/19/1998	ECPTP02	Diatom	Asterionella formosa	167.50
Peters Pond	05/19/1998	ECPTP02	Diatom	Bacillariophyta	45.10

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP02	Cyanophyta	Chroococcales	805.28
Peters Pond	05/19/1998	ECPTP02	Cryptophyta	Chroomonas sp.	12.88
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Chrysomonadales	115.96
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Crucigenia sp.	12.88
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	70.86
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Elakatothrix viridis	51.54
Peters Pond	05/19/1998	ECPTP02	Indeterminate	Indeterminate	25.77
Peters Pond	05/19/1998	ECPTP02	Phyrrrophyta	Peridinium limbatum	12.88
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Dinobryon Tabelariae	45.81
Peters Pond	05/19/1998	ECPTP02	Diatom	Tabellaria sp.	45.10
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Tetrasporales	6.44
Peters Pond	05/19/1998	ECPTP02	Euglenophyta	Trachelomonas sp.	6.44
Peters Pond	05/19/1998	ECPTP02	Diatom	Asterionella formosa	97.35
Peters Pond	05/19/1998	ECPTP02	Diatom	Bacillariophyta	22.91
Peters Pond	05/19/1998	ECPTP02	Cyanophyta	Chroococcales	629.91
Peters Pond	05/19/1998	ECPTP02	Cryptophyta	Chroomonas sp.	34.36
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Chrysomonadales	166.07
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Chrysosphaerella sp.	229.06
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	28.63
Peters Pond	05/19/1998	ECPTP02	Chrysophyta	Dinobryon socialis	5.73
Peters Pond	05/19/1998	ECPTP02	Chlorophyta	Oocystis sp.	51.54
Peters Pond	05/19/1998	ECPTP02	Diatom	Surirella sp.	11.09
Peters Pond	05/19/1998	ECPTP02	Diatom	Stephanodiscus sp.	121.94
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Quadrigula sp.	8.59
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Chrysophyta	16.84
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Chrysomonadales	8.42
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Chroomonas sp.	8.42
Peters Pond	05/19/1998	ECPTP04	Cyanophyta	Chroococcales	892.65
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Bitrichia spp.	8.42
Peters Pond	05/19/1998	ECPTP04	Diatom	Bacillariophyta	67.37
Peters Pond	05/19/1998	ECPTP04	Diatom	Asterionella formosa	202.11
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Arthrodesmus incus	8.42

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP04	Cyanophyta	Aphanizomenon flos-aquae	92.63
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Uroglenopsis sp.	14.32
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Tetraspora sp.	25.77
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	25.26
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Stokesiella spp.	40.09
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	33.69
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Oocystis sp.	22.91
Peters Pond	05/19/1998	ECPTP04	Indeterminate	Indeterminate protozoan	17.18
Peters Pond	05/19/1998	ECPTP04	Indeterminate	Indeterminate	71.58
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	65.85
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	5.73
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Dinobryon bavaricum	14.32
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Cryptophyta	14.32
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	8.59
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Chrysophyta	17.18
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Chroomonas sp.	37.22
Peters Pond	05/19/1998	ECPTP04	Cyanophyta	Chroococcales	114.53
Peters Pond	05/19/1998	ECPTP04	Diatom	Tabellaria sp.	31.50
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	9.98
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Tetrasporales	14.96
Peters Pond	05/19/1998	ECPTP04	Diatom	Tabellaria sp.	39.90
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Stokesiella spp.	19.95
Peters Pond	05/19/1998	ECPTP04	Diatom	Stephanodiscus sp.	44.89
Peters Pond	05/19/1998	ECPTP04	Phyrophyta	Peridinium sp.	4.99
Peters Pond	05/19/1998	ECPTP04	Phyrophyta	Peridinium limbatum	14.96
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Oocystis sp.	44.89
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Mallomonas sp.	4.99
Peters Pond	05/19/1998	ECPTP04	Indeterminate	Indeterminate	14.96
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Gloeocystis sp.	4.99
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	54.86
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	79.80
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	8.42

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	34.91
Peters Pond	05/19/1998	ECPTP04	Diatom	Asterionella formosa	2.86
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Chrysosphaerella sp.	134.66
Peters Pond	05/19/1998	ECPTP04	Cryptophyta	Chroomonas sp.	44.89
Peters Pond	05/19/1998	ECPTP04	Cyanophyta	Chroococcales	553.62
Peters Pond	05/19/1998	ECPTP04	Phyrrhophyta	Ceratium hirundinella	4.99
Peters Pond	05/19/1998	ECPTP04	Diatom	Bacillariophyta	29.93
Peters Pond	05/19/1998	ECPTP04	Diatom	Asterionella formosa	64.84
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Arthrodesmus incus	4.99
Peters Pond	05/19/1998	ECPTP04	Diatom	Stephanodiscus sp.	75.79
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Oocystis sp.	42.11
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Mallomonas sp.	8.42
Peters Pond	05/19/1998	ECPTP04	Indeterminate	Indeterminate	33.69
Peters Pond	05/19/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	33.69
Peters Pond	05/19/1998	ECPTP04	Chrysophyta	Dinobryon socialis	4.99
Peters Pond	05/19/1998	ECPTP04	Diatom	Bacillariophyta	77.31
Peters Pond	05/19/1998	ECPTP04	Phyrrhophyta	Ceratium hirundinella	2.86
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Oocystis sp.	13.85
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	5.13
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Dinobryon sertularia	15.38
Peters Pond	05/20/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	20.51
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	123.04
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Chrysomonadales	20.51
Peters Pond	05/20/1998	ECPTP03	Cryptophyta	Chroomonas sp.	46.14
Peters Pond	05/20/1998	ECPTP03	Cyanophyta	Chroococcales	558.78
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Ceratium hirundinella	5.13
Peters Pond	05/20/1998	ECPTP03	Diatom	Bacillariophyta	25.63
Peters Pond	05/20/1998	ECPTP03	Diatom	Asterionella formosa	46.14
Peters Pond	05/20/1998	ECPTP03	Diatom	Tabellaria sp.	83.13
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Peridinium sp.	6.93
Peters Pond	05/20/1998	ECPTP03	Cyanophyta	Oscillatoria sp.	179.43
Peters Pond	05/20/1998	ECPTP03	Indeterminate	Indeterminate	6.93

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/20/1998	ECPTP03	Euglenophyta	Euglenales	6.93
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	62.34
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Elakatothrix gelatinosa	6.93
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Dinobryon sertularia	34.64
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	159.32
Peters Pond	05/20/1998	ECPTP03	Cryptophyta	Chroomonas sp.	41.56
Peters Pond	05/20/1998	ECPTP03	Cyanophyta	Chroococcales	824.33
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Ceratium hirundinella	6.93
Peters Pond	05/20/1998	ECPTP03	Diatom	Bacillariophyta	34.64
Peters Pond	05/20/1998	ECPTP03	Cyanophyta	Aphanizomenon flos-aquae	41.56
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Elakatothrix gelatinosa	10.25
Peters Pond	05/20/1998	ECPTP03	Diatom	Stephanodiscus sp.	6.93
Peters Pond	05/20/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	23.79
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Uroglenopsis sp.	23.79
Peters Pond	05/20/1998	ECPTP03	Diatom	Tabellaria sp.	47.57
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Synura sp.	211.11
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Stokesiella spp.	101.09
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Quadrigula sp.	29.73
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Oocystis sp.	8.92
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Micractinaceae	2.97
Peters Pond	05/20/1998	ECPTP03	Indeterminate	Indeterminate protozoan	56.49
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Indeterminate Chlorophyta	2.97
Peters Pond	05/20/1998	ECPTP03	Indeterminate	Indeterminate	83.25
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Gymnodinium sp.	2.97
Peters Pond	05/20/1998	ECPTP03	Diatom	Navicula sp.	10.25
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	44.60
Peters Pond	05/20/1998	ECPTP03	Chlorophyta	Oocystis sp.	41.01
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Chrysophyta	2.97
Peters Pond	05/20/1998	ECPTP03	Cryptophyta	Chroomonas sp.	14.87
Peters Pond	05/20/1998	ECPTP03	Cyanophyta	Chroococcales	121.91
Peters Pond	05/20/1998	ECPTP03	Diatom	Bacillariophyta	71.36
Peters Pond	05/20/1998	ECPTP03	Diatom	Asterionella formosa	2.97

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/20/1998	ECPTP03	Diatom	Tabellaria sp.	184.55
Peters Pond	05/20/1998	ECPTP03	Diatom	Synedra sp.	158.92
Peters Pond	05/20/1998	ECPTP03	Diatom	Surirella sp.	5.13
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Stokesiella spp.	5.13
Peters Pond	05/20/1998	ECPTP03	Diatom	Stephanodiscus sp.	41.01
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Peridinium sp.	5.13
Peters Pond	05/20/1998	ECPTP03	Phyrrhophyta	Peridinium limbatum	30.76
Peters Pond	05/20/1998	ECPTP03	Diatom	Fragilaria crotonensis	26.76
Peters Pond	05/20/1998	ECPTP03	Chrysophyta	Mallomonas akromonas	5.13
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Mallomonas sp.	18.58
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Arthrodesmus incus	37.17
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	106.19
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysosphaerella sp.	318.57
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysophyta	31.86
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysomonadales	21.24
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Chroomonas sp.	10.62
Peters Pond	05/20/1998	ECPTP05	Cyanophyta	Chroococcales	1178.72
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Botryococcus sp.	127.43
Peters Pond	05/20/1998	ECPTP05	Diatom	Asterionella formosa	201.76
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Tetrasporales	55.75
Peters Pond	05/20/1998	ECPTP05	Diatom	Stephanodiscus sp.	148.67
Peters Pond	05/20/1998	ECPTP05	Diatom	Fragilaria crotonensis	95.57
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Micractinaceae	18.58
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Indeterminate Chlorophyta	18.58
Peters Pond	05/20/1998	ECPTP05	Indeterminate	Indeterminate	18.58
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	92.92
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Elakatothrix gelatinosa	185.83
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Dinobryon socialis	18.58
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	18.58
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	18.58
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysomonadales	74.33
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Chroomonas sp.	18.58

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/20/1998	ECPTP05	Cyanophyta	Chroococcales	2118.51
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Bitrichia spp.	18.58
Peters Pond	05/20/1998	ECPTP05	Diatom	Bacillariophyta	18.58
Peters Pond	05/20/1998	ECPTP05	Phyrrhophyta	Peridinium limbatum	18.58
Peters Pond	05/20/1998	ECPTP05	Cyanophyta	Chroococcales	1145.29
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Tetrasporales	80.53
Peters Pond	05/20/1998	ECPTP05	Diatom	Tabellaria sp.	107.37
Peters Pond	05/20/1998	ECPTP05	Diatom	Stephanodiscus sp.	134.21
Peters Pond	05/20/1998	ECPTP05	Phyrrhophyta	Peridinium limbatum	107.37
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Oocystis sp.	44.74
Peters Pond	05/20/1998	ECPTP05	Phyrrhophyta	Gymnodinium sp.	8.95
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	26.84
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Elakatothrix gelatinosa	44.74
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	44.74
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	26.84
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysosphaerella sp.	671.07
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	148.67
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Chroomonas sp.	8.95
Peters Pond	05/20/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	53.10
Peters Pond	05/20/1998	ECPTP05	Phyrrhophyta	Ceratium hirundinella	8.95
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Botryococcus sp.	98.42
Peters Pond	05/20/1998	ECPTP05	Diatom	Asterionella formosa	116.32
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Arthrodesmus incus	8.95
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Tetrasporales	21.24
Peters Pond	05/20/1998	ECPTP05	Diatom	Tabellaria sp.	244.24
Peters Pond	05/20/1998	ECPTP05	Diatom	Synedra sp.	10.62
Peters Pond	05/20/1998	ECPTP05	Diatom	Stephanodiscus sp.	63.71
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Selenastrum minutum	10.62
Peters Pond	05/20/1998	ECPTP05	Phyrrhophyta	Peridinium limbatum	10.62
Peters Pond	05/20/1998	ECPTP05	Chlorophyta	Oocystis sp.	42.48
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Mallomonas pseudocoronata	10.62
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Chrysomonadales	8.95

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	05/20/1998	ECPTP05	Chrysophyta	Dinobryon socialis	10.62
Peters Pond	06/17/1998	ECPTP05	Cyanophyta	Chroococcus sp.	1491.31
Peters Pond	06/17/1998	ECPTP05	Cyanophyta	Chroococcus sp.	2288.58
Peters Pond	06/17/1998	ECPTP05	Cryptophyta	Chroomonas sp.	71.52
Peters Pond	06/17/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	71.52
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	143.04
Peters Pond	06/17/1998	ECPTP05	Indeterminate	Indeterminate	214.55
Peters Pond	06/17/1998	ECPTP05	Indeterminate	Indeterminate protozoan	71.52
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Uroglenopsis americana	7723.95
Peters Pond	06/17/1998	ECPTP05	Cryptophyta	Chroomonas sp.	51.42
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Indeterminate Chrysophyta	51.42
Peters Pond	06/17/1998	ECPTP05	Indeterminate	Indeterminate protozoan	51.42
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Oocystis sp.	205.70
Peters Pond	06/17/1998	ECPTP05	Phyrophyta	Peridinium limbatum	51.42
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Tetraedron minimum	51.42
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Gloeocystis sp.	62.85
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Oocystis sp.	143.04
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Uroglenopsis americana	7199.43
Peters Pond	06/17/1998	ECPTP05	Diatom	Stephanodiscus sp.	125.70
Peters Pond	06/17/1998	ECPTP05	Diatom	Nitzschia palea	62.85
Peters Pond	06/17/1998	ECPTP05	Indeterminate	Indeterminate	62.85
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Uroglenopsis americana	6725.18
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	314.26
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Chrysosphaerella sp.	4148.24
Peters Pond	06/17/1998	ECPTP05	Cryptophyta	Chroomonas sp.	62.85
Peters Pond	06/17/1998	ECPTP05	Cyanophyta	Chroococcus sp.	188.56
Peters Pond	06/17/1998	ECPTP05	Diatom	Bacillariophyta	125.70
Peters Pond	06/17/1998	ECPTP05	Chrysophyta	Uroglenopsis sp.	51.42
Peters Pond	06/17/1998	ECPTP05	Chlorophyta	Indeterminate Chlorophyta	62.85
Peters Pond	06/18/1998	ECPTP01	Cyanophyta	Chroococcus sp.	1273.75
Peters Pond	06/18/1998	ECPTP01	Cryptophyta	Chroomonas sp.	110.76
Peters Pond	06/18/1998	ECPTP01	Diatom	Stephanodiscus sp.	62.85

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	06/18/1998	ECPTP01	Diatom	Bacillariophyta	110.76
Peters Pond	06/18/1998	ECPTP01	Chrysophyta	Uroglenopsis americana	9050.71
Peters Pond	06/18/1998	ECPTP01	Chlorophyta	Tetrasporales	62.85
Peters Pond	06/18/1998	ECPTP01	Chrysophyta	Synura sp.	1822.71
Peters Pond	06/18/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	62.85
Peters Pond	06/18/1998	ECPTP01	Cryptophyta	Chroomonas sp.	251.41
Peters Pond	06/18/1998	ECPTP01	Diatom	Bacillariophyta	62.85
Peters Pond	06/18/1998	ECPTP01	Cyanophyta	Aphanocapsa sp.	251.41
Peters Pond	06/18/1998	ECPTP01	Chrysophyta	Uroglenopsis americana	11834.69
Peters Pond	06/18/1998	ECPTP01	Cyanophyta	Chroococcus sp.	684.09
Peters Pond	06/18/1998	ECPTP01	Chrysophyta	Uroglenopsis americana	7254.81
Peters Pond	06/18/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	62.85
Peters Pond	06/18/1998	ECPTP01	Indeterminate	Indeterminate protozoan	273.63
Peters Pond	06/18/1998	ECPTP01	Cyanophyta	Chroococcus sp.	754.23
Peters Pond	06/18/1998	ECPTP02	Chrysophyta	Uroglenopsis americana	4031.68
Peters Pond	06/18/1998	ECPTP02	Diatom	Bacillariophyta	66.41
Peters Pond	06/18/1998	ECPTP02	Chrysophyta	Uroglena volvox	66.41
Peters Pond	06/18/1998	ECPTP02	Chlorophyta	Tetrasporales	66.41
Peters Pond	06/18/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	132.82
Peters Pond	06/18/1998	ECPTP02	Chrysophyta	Uroglenopsis americana	7969.16
Peters Pond	06/18/1998	ECPTP02	Chrysophyta	Synura sp.	179.99
Peters Pond	06/18/1998	ECPTP02	Diatom	Stephanodiscus dubius	36.00
Peters Pond	06/18/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	36.00
Peters Pond	06/18/1998	ECPTP02	Cryptophyta	Chroomonas sp.	107.99
Peters Pond	06/18/1998	ECPTP02	Cyanophyta	Chroococcus sp.	539.96
Peters Pond	06/18/1998	ECPTP02	Diatom	Bacillariophyta	71.99
Peters Pond	06/18/1998	ECPTP02	Cyanophyta	Aphanocapsa sp.	251.98
Peters Pond	06/18/1998	ECPTP02	Cyanophyta	Chroococcus sp.	265.64
Peters Pond	06/18/1998	ECPTP02	Chlorophyta	Elakatothrix viridis	66.41
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	79.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Uroglenopsis americana	8799.31
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Tetrasporales	79.99

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	06/18/1998	ECPTP03	Diatom	Stephanodiscus sp.	479.96
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Staurostrum sp.	79.99
Peters Pond	06/18/1998	ECPTP03	Phyrrhophyta	Peridinium limbatum	79.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Mallomonas sp.	239.98
Peters Pond	06/18/1998	ECPTP03	Indeterminate	Indeterminate	79.99
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	79.99
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Elakatothrix gelatinosa	159.99
Peters Pond	06/18/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	79.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	2399.81
Peters Pond	06/18/1998	ECPTP03	Cyanophyta	Chroococcus sp.	1119.91
Peters Pond	06/18/1998	ECPTP03	Cyanophyta	Chroococcus sp.	2319.82
Peters Pond	06/18/1998	ECPTP03	Phyrrhophyta	Gymnodinium sp.	239.98
Peters Pond	06/18/1998	ECPTP03	Cryptophyta	Chroomonas sp.	79.99
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Quadrigula sp.	60.00
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Uroglenopsis americana	6299.50
Peters Pond	06/18/1998	ECPTP03	Diatom	Synedra sp.	179.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	2079.84
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Spondylosium sp.	119.99
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Pediastrum tetras	479.96
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	419.97
Peters Pond	06/18/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	60.00
Peters Pond	06/18/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	60.00
Peters Pond	06/18/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	159.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Chrysomonadales	60.00
Peters Pond	06/18/1998	ECPTP03	Cyanophyta	Chroococcus sp.	479.96
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Uroglenopsis americana	9199.27
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Uroglena volvox	1839.85
Peters Pond	06/18/1998	ECPTP03	Diatom	Stephanodiscus sp.	159.99
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	239.98
Peters Pond	06/18/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	1799.86
Peters Pond	06/18/1998	ECPTP03	Diatom	Stephanodiscus sp.	239.98
Peters Pond	06/18/1998	ECPTP04	Cryptophyta	Chroomonas sp.	177.09

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Chrysosphaerella sp.	2656.39
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	708.37
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	88.55
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	265.64
Peters Pond	06/18/1998	ECPTP04	Diatom	Stephanodiscus sp.	88.55
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	97.40
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Tetrasporales	88.55
Peters Pond	06/18/1998	ECPTP04	Cyanophyta	Chroococcus sp.	1770.92
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Uroglenopsis americana	9120.26
Peters Pond	06/18/1998	ECPTP04	Diatom	Navicula sp.	79.99
Peters Pond	06/18/1998	ECPTP04	Cyanophyta	Chroococcus sp.	3116.83
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Uroglenopsis americana	9359.26
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Oocystis sp.	681.81
Peters Pond	06/18/1998	ECPTP04	Phyrrhophyta	Ceratium hirundinella	88.55
Peters Pond	06/18/1998	ECPTP04	Diatom	Stephanodiscus sp.	319.97
Peters Pond	06/18/1998	ECPTP04	Phyrrhophyta	Peridinium wisconsinense	79.99
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	319.97
Peters Pond	06/18/1998	ECPTP04	Phyrrhophyta	Gymnodinium sp.	79.99
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Gloeocystis planctonica	1279.90
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	79.99
Peters Pond	06/18/1998	ECPTP04	Diatom	Stephanodiscus sp.	97.40
Peters Pond	06/18/1998	ECPTP04	Cyanophyta	Chroococcus sp.	1439.89
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Mallomonas sp.	97.40
Peters Pond	06/18/1998	ECPTP04	Chrysophyta	Uroglenopsis americana	10324.48
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Tetrasporales	97.40
Peters Pond	06/18/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	79.99
Peters Pond	06/18/1998	ECPTP04	Chlorophyta	Spondylosium sp.	159.99
Peters Pond	08/05/1998	ECPTP01	Cryptophyta	Cryptomonas ovata	44.27
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	309.91
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Tetrasporales	62.60
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Aphanothece sp.	2213.65
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Arthrodesmus crassus	44.27

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/05/1998	ECPTP01	Phyrophyta	Ceratium hirundinella	44.27
Peters Pond	08/05/1998	ECPTP01	Diatom	Rhizosolenia sp.	31.30
Peters Pond	08/05/1998	ECPTP01	Cryptophyta	Chroomonas sp.	88.55
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Quadrigula sp.	219.11
Peters Pond	08/05/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	132.82
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon bavaricum	44.27
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	5002.86
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	44.27
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Franceia droescheri	88.55
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis planctonica	354.18
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Chroococcus sp.	1638.10
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis planctonica	500.83
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Aphanothece sp.	782.55
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Chroococcus sp.	1627.70
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Crucigenia sp.	219.11
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Crucigenia tetrapedia	281.72
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon bavaricum	187.81
Peters Pond	08/05/1998	ECPTP01	Diatom	Stephanodiscus sp.	31.30
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	93.91
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	688.64
Peters Pond	08/05/1998	ECPTP01	Indeterminate	Indeterminate	156.51
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Indeterminate Chlorophyta	62.60
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Indeterminate Chrysophyta	93.91
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Mallomonas sp.	31.30
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Microcystis sp.	6573.39
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Oocystis sp.	156.51
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	2003.32
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Oocystis sp.	111.15
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Golenkinia sp.	44.27
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Tetrasporales	55.57
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Franceia droescheri	125.21
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Staurostrum sp.	55.57

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Indeterminate Chrysophyta	2445.28
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Golenkinia sp.	55.57
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	1000.34
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Gloeocystis planctonica	1111.49
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Franceia droescheri	333.45
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Elakatothrix viridis	111.15
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon sociale	222.30
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Staurastrum pentacerum	88.55
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	5668.61
Peters Pond	08/05/1998	ECPTP01	Chrysophyta	Indeterminate Chrysophyta	1992.29
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Microcystis sp.	1106.83
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Tetraspora sp.	444.60
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Indeterminate Chlorophyta	88.55
Peters Pond	08/05/1998	ECPTP01	Diatom	Stephanodiscus dubius	44.27
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Tetrasporales	132.82
Peters Pond	08/05/1998	ECPTP01	Cyanophyta	Chroococcus sp.	444.60
Peters Pond	08/05/1998	ECPTP01	Cryptophyta	Chroomonas sp.	166.72
Peters Pond	08/05/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	55.57
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Dictyosphaerium sp.	111.15
Peters Pond	08/05/1998	ECPTP01	Chlorophyta	Staurastrum arachne curvatum	44.27
Peters Pond	08/06/1998	ECPTP02	Diatom	Tabellaria sp.	72.92
Peters Pond	08/06/1998	ECPTP02	Diatom	Stephanodiscus sp.	18.23
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Staurastrum pentacerum	18.23
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Staurastrum manfeldtii fluminense	18.23
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	145.84
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Merismopedia tenuissima	364.60
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Mallomonas pseudocoronata	36.46
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Indeterminate Chrysophyta	54.69
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Indeterminate Chlorophyta	309.91
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Elakatothrix gelatinosa	109.38
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Tetrasporales	182.30
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Eudorina sp.	145.84

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Merismopedia tenuissima	786.70
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Gloeocystis sp.	182.30
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Mallomonas sp.	18.23
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus sp.	2002.51
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Chroomonas sp.	214.55
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Chrysosphaerella sp.	715.18
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	286.07
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	7580.91
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Indeterminate Chrysophyta	71.52
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Oocystis sp.	71.52
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Spondylosium sp.	71.52
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Staurostrum pentacerum	214.55
Peters Pond	08/06/1998	ECPTP02	Diatom	Synedra sp.	71.52
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	55.78
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon bavaricum	18.23
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Tetrasporales	357.59
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Uroglenopsis americana	71.52
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Elakatothrix gelatinosa	71.52
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus sp.	1840.88
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon bavaricum	167.35
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	182.30
Peters Pond	08/06/1998	ECPTP02	Diatom	Achnanthes sp.	18.59
Peters Pond	08/06/1998	ECPTP02	Phyrrhophyta	Ceratium hirundinella	18.59
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus Prescottii	297.52
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Chroomonas sp.	92.97
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Chrysomonadales	18.59
Peters Pond	08/06/1998	ECPTP02	Diatom	Cymbella sp.	18.59
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon sertularia	92.97
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Dinobryon Tabelariae	18.59
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Elakatothrix viridis	55.78
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Gloeocystis planctonica	55.78
Peters Pond	08/06/1998	ECPTP02	Indeterminate	Indeterminate	148.76

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Bitrichia spp.	36.46
Peters Pond	08/06/1998	ECPTP02	Cryptophyta	Chroomonas sp.	72.92
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus sp.	1586.02
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus limneticus elegans	18.59
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Indeterminate Chlorophyta	464.87
Peters Pond	08/06/1998	ECPTP02	Cyanophyta	Chroococcus limneticus	18.23
Peters Pond	08/06/1998	ECPTP02	Diatom	Achnanthes sp.	18.23
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Oocystis sp.	55.78
Peters Pond	08/06/1998	ECPTP02	Diatom	Synedra sp.	18.59
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Indeterminate Chrysophyta	74.38
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Staurastrum pentacerum	55.78
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Mallomonas pseudocoronata	37.19
Peters Pond	08/06/1998	ECPTP02	Chlorophyta	Tetrasporales	278.92
Peters Pond	08/06/1998	ECPTP02	Chrysophyta	Mallomonas sp.	18.59
Peters Pond	08/06/1998	ECPTP03	Diatom	Tabellaria sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Diatom	Synedra sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Spondylosium sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Diatom	Stephanodiscus dubius	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurastrum pentacerum	75.42
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Tetrasporales	135.76
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	17.56
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Scenedesmus arcuatus	120.68
Peters Pond	08/06/1998	ECPTP03	Diatom	Stephanodiscus sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Arthrodesmus crassus	17.56
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Bitrichia spp.	17.56
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Chroococcus sp.	1826.20
Peters Pond	08/06/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	70.24
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Elakatothrix gelatinosa	35.12
Peters Pond	08/06/1998	ECPTP03	Phyrrhophyta	Glenodinium sp.	17.56
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Gloeocystis planctonica	140.48
Peters Pond	08/06/1998	ECPTP03	Phyrrhophyta	Peridinium wisconsinense	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Coelastrum microporum	105.59

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Dinobryon sertularia	1036.02
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Gloeocystis sp.	362.03
Peters Pond	08/06/1998	ECPTP03	Indeterminate	Indeterminate	52.68
Peters Pond	08/06/1998	ECPTP03	Phyrrrophyta	Ceratium hirundinella	15.08
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Bitrichia spp.	15.08
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Chroococcus Prescottii	90.51
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Chroococcus sp.	2051.50
Peters Pond	08/06/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	90.51
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Dinobryon sertularia	814.56
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Dinobryon bavaricum	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Gloeocystis planctonica	60.34
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Oocystis sp.	75.42
Peters Pond	08/06/1998	ECPTP03	Indeterminate	Indeterminate	60.34
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Indeterminate Chlorophyta	75.42
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	30.17
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas akromonas	15.08
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas pseudocoronata	15.08
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Ochromonas sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	75.42
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas sp.	48.00
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Dinobryon bavaricum	48.00
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Dinobryon sertularia	2495.80
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Elakatothrix gelatinosa	191.98
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	71.99
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Gloeocystis planctonica	71.99
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Gloeocystis sp.	143.99
Peters Pond	08/06/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	48.00
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	24.00
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Merismopedia tenuissima	599.95
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Oocystis sp.	48.00
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurostrum manfeldtii fluminense	24.00

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurastrum pentacerum	24.00
Peters Pond	08/06/1998	ECPTP03	Diatom	Stephanodiscus sp.	24.00
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Tetrasporales	335.97
Peters Pond	08/06/1998	ECPTP03	Diatom	Achnanthes sp.	15.08
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Indeterminate Chlorophyta	105.36
Peters Pond	08/06/1998	ECPTP03	Indeterminate	Indeterminate	71.99
Peters Pond	08/06/1998	ECPTP03	Phyrrhophyta	Peridinium wisconsinense	17.56
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Quadrigula sp.	48.00
Peters Pond	08/06/1998	ECPTP03	Cryptophyta	Chroomonas sp.	48.00
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	17.56
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas pseudocoronata	35.12
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Mallomonas sp.	35.12
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Oocystis sp.	35.12
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurastrum arachne curvatum	17.56
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurastrum curvatum elongatum	17.56
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Aphanizomenon flos-aquae	359.97
Peters Pond	08/06/1998	ECPTP03	Cyanophyta	Chroococcus sp.	1871.85
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Ochromonas sp.	17.56
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Arthrodesmus crassus	24.00
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Staurastrum pentacerum	52.68
Peters Pond	08/06/1998	ECPTP03	Chlorophyta	Tetrasporales	403.87
Peters Pond	08/06/1998	ECPTP03	Diatom	Tabellaria sp.	17.56
Peters Pond	08/06/1998	ECPTP03	Diatom	Synedra sp.	17.56
Peters Pond	08/06/1998	ECPTP03	Diatom	Stephanodiscus sp.	35.12
Peters Pond	08/06/1998	ECPTP03	Chrysophyta	Bitrichia spp.	24.00
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Pediastrum tetras	25.51
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Uroglenopsis americana	40.42
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Cryptophyta	25.51
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	12.75
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	1275.26
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Dinobryon sp.	12.75
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	76.52

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP04	Indeterminate	Indeterminate	637.63
Peters Pond	08/06/1998	ECPTP04	Diatom	Indeterminate Bacillariophyta	63.76
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	63.76
Peters Pond	08/06/1998	ECPTP04	Indeterminate	Indeterminate protozoan	38.26
Peters Pond	08/06/1998	ECPTP04	Phyrrhophyta	Peridinium sp.	12.75
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Staurostrum pentacerum	12.75
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Uroglenopsis americana	38.26
Peters Pond	08/06/1998	ECPTP04	Diatom	Bacillariophyta	121.27
Peters Pond	08/06/1998	ECPTP04	Cyanophyta	Chroococcus sp.	1495.66
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Chroomonas sp.	323.39
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Elakatothrix viridis	80.85
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	80.85
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Synura sp.	485.08
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Chroomonas sp.	216.79
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	4163.60
Peters Pond	08/06/1998	ECPTP04	Cyanophyta	Merismopedia tenuissima	1293.54
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Bitrichia spp.	20.87
Peters Pond	08/06/1998	ECPTP04	Cyanophyta	Chroococcus sp.	1237.00
Peters Pond	08/06/1998	ECPTP04	Indeterminate	Indeterminate	646.77
Peters Pond	08/06/1998	ECPTP04	Phyrrhophyta	Ceratium hirundinella	20.87
Peters Pond	08/06/1998	ECPTP04	Cyanophyta	Chroococcus sp.	2274.60
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Chroomonas sp.	20.87
Peters Pond	08/06/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	104.34
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Dinobryon bavaricum	41.74
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	229.55
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	104.34
Peters Pond	08/06/1998	ECPTP04	Phyrrhophyta	Glenodinium sp.	20.87
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Gloeocystis planctonica	250.42
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Staurostrum limneticum canadense	20.87
Peters Pond	08/06/1998	ECPTP04	Diatom	Bacillariophyta	25.51
Peters Pond	08/06/1998	ECPTP04	Cyanophyta	Chroococcus Prescottii	166.94
Peters Pond	08/06/1998	ECPTP04	Phyrrhophyta	Ceratium hirundinella	12.75

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Gloeocystis sp.	500.83
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Tetrasporales	166.94
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Pediastrum tetras	166.94
Peters Pond	08/06/1998	ECPTP04	Chlorophyta	Oocystis sp.	271.28
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Mallomonas pseudocoronata	41.74
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Mallomonas akromonas	20.87
Peters Pond	08/06/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	83.47
Peters Pond	08/06/1998	ECPTP04	Indeterminate	Indeterminate	62.60
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	68.41
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Gloeocystis gigas	17.10
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Microcystis sp.	239.43
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Cryptophyta	17.05
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Indeterminate Chrysophyta	102.27
Peters Pond	08/06/1998	ECPTP05	Indeterminate	Indeterminate	477.26
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Elakatothrix viridis	34.09
Peters Pond	08/06/1998	ECPTP05	Indeterminate	Indeterminate	598.58
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Chroomonas sp.	102.27
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Chroococcus sp.	1874.97
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Bitrichia spp.	17.05
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Oocystis sp.	51.31
Peters Pond	08/06/1998	ECPTP05	Indeterminate	Indeterminate protozoan	17.10
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Indeterminate Chrysophyta	85.51
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Merismopedia tenuissima	392.04
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Gloeocystis sp.	732.94
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Synura sp.	35.57
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Staurostrum manfeldtii fluminense	17.10
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Chroococcus limneticus	136.82
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	664.76
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Oocystis sp.	106.72
Peters Pond	08/06/1998	ECPTP05	Diatom	Bacillariophyta	17.10
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Microcystis sp.	477.26
Peters Pond	08/06/1998	ECPTP05	Phyrophyta	Ceratium hirundinella	17.10

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Chroococcus sp.	2018.05
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Chroomonas sp.	85.51
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	85.51
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Uroglenopsis americana	17.05
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	222.33
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Indeterminate Chrysophyta	35.57
Peters Pond	08/06/1998	ECPTP05	Indeterminate	Indeterminate	426.87
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Dinobryon sertularia	4197.55
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Chroomonas sp.	213.43
Peters Pond	08/06/1998	ECPTP05	Cyanophyta	Chroococcus sp.	747.02
Peters Pond	08/06/1998	ECPTP05	Cryptophyta	Cryptophyta	17.10
Peters Pond	08/06/1998	ECPTP05	Chlorophyta	Staurostrum pentacerum	17.05
Peters Pond	08/06/1998	ECPTP05	Chrysophyta	Bitrichia spp.	17.10
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Tetraedron sp.	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Tetrasporales	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Gloeocystis planctonica	102.27
Peters Pond	09/24/1998	ECPTP01	Diatom	Tabellaria sp.	1150.55
Peters Pond	09/24/1998	ECPTP01	Diatom	Stephanodiscus sp.	25.57
Peters Pond	09/24/1998	ECPTP01	Diatom	Stephanodiscus dubius	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Scenedesmus bijuga	102.27
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Elakatothrix gelatinosa	51.14
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Schroederia Judayi	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Arthrodesmus incus	25.57
Peters Pond	09/24/1998	ECPTP01	Phyrrhophyta	Ceratium hirundinella	25.57
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Chroococcus sp.	2275.53
Peters Pond	09/24/1998	ECPTP01	Cryptophyta	Chroomonas sp.	281.24
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Coelosphaerium sp.	153.41
Peters Pond	09/24/1998	ECPTP01	Cryptophyta	Cryptomonas ovata	76.70
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Oscillatoria limnetica	383.52
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Elakatothrix gelatinosa	51.14
Peters Pond	09/24/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	51.14

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Gloeocystis planctonica	153.41
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Aphanizomenon flos-aquae	102.27
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Aphanothece sp.	1917.58
Peters Pond	09/24/1998	ECPTP01	Phyrrhophyta	Ceratium hirundinella	25.57
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Chroococcus sp.	2480.07
Peters Pond	09/24/1998	ECPTP01	Cryptophyta	Chroomonas sp.	178.97
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Chrysosphaerella sp.	332.38
Peters Pond	09/24/1998	ECPTP01	Cryptophyta	Cryptomonas sp.	102.27
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	1457.36
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Dinobryon Tabelariae	536.92
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Oocystis sp.	51.14
Peters Pond	09/24/1998	ECPTP01	Indeterminate	Indeterminate	178.97
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Indeterminate Chlorophyta	76.70
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Indeterminate Chrysophyta	25.57
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Mallomonas sp.	51.14
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Merismopedia tenuissima	2198.82
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Microcystis sp.	1278.39
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Ochromonas sp.	76.70
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Dinobryon sertularia	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Schroederia Judayi	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Gloeocystis sp.	1124.98
Peters Pond	09/24/1998	ECPTP01	Diatom	Stephanodiscus sp.	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Selenastrum minutum	25.57
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Tetrasporales	178.97
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Radiocystis geminata	1917.58
Peters Pond	09/24/1998	ECPTP01	Phyrrhophyta	Peridinium sp.	51.14
Peters Pond	09/24/1998	ECPTP01	Chlorophyta	Oocystis sp.	25.57
Peters Pond	09/24/1998	ECPTP01	Diatom	Nitzschia dissipata	25.57
Peters Pond	09/24/1998	ECPTP01	Cyanophyta	Merismopedia tenuissima	1943.15
Peters Pond	09/24/1998	ECPTP01	Chrysophyta	Indeterminate Chrysophyta	25.57
Peters Pond	09/24/1998	ECPTP01	Indeterminate	Indeterminate	1124.98
Peters Pond	09/24/1998	ECPTP01	Diatom	Tabellaria sp.	588.06

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Chroococcus sp.	181.81
Peters Pond	09/25/1998	ECPTP02	Cryptophyta	Chroomonas sp.	22.73
Peters Pond	09/25/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	227.27
Peters Pond	09/25/1998	ECPTP02	Cryptophyta	Cryptophyta	227.27
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Chroococcus limneticus	22.73
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Coelosphaerium sp.	1590.88
Peters Pond	09/25/1998	ECPTP02	Indeterminate	Indeterminate	113.63
Peters Pond	09/25/1998	ECPTP02	Phyrrhophyta	Glenodinium sp.	90.91
Peters Pond	09/25/1998	ECPTP02	Phyrrhophyta	Peridinium wisconsinense	22.73
Peters Pond	09/25/1998	ECPTP02	Chrysophyta	Chrysosphaerella sp.	295.45
Peters Pond	09/25/1998	ECPTP02	Diatom	Tabellaria sp.	24.37
Peters Pond	09/25/1998	ECPTP02	Diatom	Asterionella formosa	73.10
Peters Pond	09/25/1998	ECPTP02	Chrysophyta	Chrysolykos planctonicus	45.45
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Tetrasporales	22.73
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Spondylosium sp.	136.36
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Scenedesmus bijuga	90.91
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Gloeocystis sp.	560.45
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Golenkinia sp.	22.73
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Schizochlamys sp.	45.45
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Gloeocystis sp.	250.00
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Gloeocystis gigas	22.73
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Franceia ovalis	22.73
Peters Pond	09/25/1998	ECPTP02	Diatom	Tabellaria sp.	136.36
Peters Pond	09/25/1998	ECPTP02	Diatom	Synedra sp.	204.54
Peters Pond	09/25/1998	ECPTP02	Diatom	Bacillariophyta	272.72
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Kirchneriella lunaris	113.63
Peters Pond	09/25/1998	ECPTP02	Chrysophyta	Indeterminate Chrysophyta	12.18
Peters Pond	09/25/1998	ECPTP02	Phyrrhophyta	Peridinium sp.	36.55
Peters Pond	09/25/1998	ECPTP02	Indeterminate	Indeterminate	60.92
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Merismopedia tenuissima	194.94
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Coelosphaerium sp.	389.88
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Chroococcus sp.	158.39

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Chroococcus limneticus	12.18
Peters Pond	09/25/1998	ECPTP02	Cyanophyta	Aphanothece sp.	4873.46
Peters Pond	09/25/1998	ECPTP02	Cryptophyta	Chroomonas sp.	60.92
Peters Pond	09/25/1998	ECPTP02	Chrysophyta	Chrysosphaerella sp.	12.18
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Tetrasporales	48.73
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Schizochlamys sp.	12.18
Peters Pond	09/25/1998	ECPTP02	Chlorophyta	Pediastrum tetras	90.91
Peters Pond	09/25/1998	ECPTP02	Cryptophyta	Cryptomonas sp.	24.37
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Coelosphaerium sp.	527.96
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Bitrichia spp.	12.18
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Chrysomonadales	24.37
Peters Pond	09/25/1998	ECPTP03	Cryptophyta	Chroomonas sp.	134.02
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Oocystis sp.	26.40
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Scenedesmus quadricauda	52.80
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Staurostrum curvatum elongatum	26.40
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Tetrasporales	79.19
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Chrysophyta	26.40
Peters Pond	09/25/1998	ECPTP03	Phyrrhophyta	Peridinium sp.	105.59
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Merismopedia tenuissima	739.14
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Chrysosphaerella sp.	1055.92
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Chroococcus sp.	1425.49
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Aphanothece sp.	1319.90
Peters Pond	09/25/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	131.99
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Staurostrum manfeldtii fluminense	12.18
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Indeterminate Chrysophyta	52.80
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Mallomonas sp.	26.40
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Aphanothece sp.	2436.73
Peters Pond	09/25/1998	ECPTP03	Chrysophyta	Dinobryon Tabetariae	184.79
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Microcystis sp.	1319.90
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Coelosphaerium sp.	487.35
Peters Pond	09/25/1998	ECPTP03	Cryptophyta	Chroomonas sp.	79.19
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Chroococcus sp.	73.10

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Merismopedia tenuissima	243.67
Peters Pond	09/25/1998	ECPTP03	Indeterminate	Indeterminate	511.71
Peters Pond	09/25/1998	ECPTP03	Phyrrhophyta	Gymnodinium sp.	12.18
Peters Pond	09/25/1998	ECPTP03	Diatom	Stephanodiscus sp.	79.19
Peters Pond	09/25/1998	ECPTP03	Diatom	Tabellaria sp.	1504.68
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Golenkinia sp.	26.40
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Mougeotia sp.	52.80
Peters Pond	09/25/1998	ECPTP03	Cryptophyta	Cryptophyta	12.18
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Oocystis sp.	24.37
Peters Pond	09/25/1998	ECPTP03	Diatom	Asterionella formosa	36.55
Peters Pond	09/25/1998	ECPTP03	Diatom	Bacillariophyta	24.37
Peters Pond	09/25/1998	ECPTP03	Diatom	Synedra sp.	12.18
Peters Pond	09/25/1998	ECPTP03	Diatom	Tabellaria sp.	73.10
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Elakatothrix viridis	24.37
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Gloeocystis gigas	12.18
Peters Pond	09/25/1998	ECPTP03	Chlorophyta	Gloeocystis sp.	1145.26
Peters Pond	09/25/1998	ECPTP03	Cyanophyta	Chroococcus limneticus	48.73
Peters Pond	09/25/1998	ECPTP03	Cryptophyta	Cryptomonas sp.	73.10
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Staurostrum curvatum elongatum	48.73
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Oocystis sp.	97.47
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Golenkinia sp.	24.37
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Gloeocystis sp.	706.65
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	48.73
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Merismopedia tenuissima	2534.20
Peters Pond	09/25/1998	ECPTP04	Diatom	Rhizosolenia sp.	24.37
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas ovata	24.37
Peters Pond	09/25/1998	ECPTP04	Phyrrhophyta	Peridinium sp.	15.08
Peters Pond	09/25/1998	ECPTP04	Diatom	Tabellaria sp.	609.18
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Staurostrum manfeldtii fluminense	97.47
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Tetrasporales	97.47
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	24.37
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Chroomonas sp.	48.73

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	121.84
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Chroococcus sp.	1413.30
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Coelosphaerium sp.	3045.91
Peters Pond	09/25/1998	ECPTP04	Indeterminate	Indeterminate	362.03
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Chrysosphaerella sp.	316.78
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	48.73
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Dinobryon Tabelaeriae	15.08
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Microcystis sp.	3655.10
Peters Pond	09/25/1998	ECPTP04	Diatom	Tabellaria sp.	422.37
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	60.34
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Gloeocystis planctonica	60.34
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Golenkinia sp.	15.08
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Indeterminate Chlorophyta	15.08
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Tetrasporales	60.34
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Indeterminate Chrysophyta	30.17
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Tetrasporales	121.84
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Merismopedia tenuissima	1689.47
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Mallomonas pseudocoronata	15.08
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Mallomonas sp.	45.25
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Chroomonas sp.	120.68
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas ovata	15.08
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	15.08
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Aphanothece sp.	4148.24
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Chroococcus sp.	558.13
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Coelosphaerium sp.	2564.37
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Volvocales	75.42
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Coelosphaerium sp.	1218.37
Peters Pond	09/25/1998	ECPTP04	Indeterminate	Indeterminate	243.67
Peters Pond	09/25/1998	ECPTP04	Phyrrrophyta	Peridinium sp.	48.73
Peters Pond	09/25/1998	ECPTP04	Indeterminate	Indeterminate	389.88
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Radiocystis geminata	3045.91
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Merismopedia tenuissima	877.22

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Chroococcus sp.	828.49
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Aphanothece sp.	731.02
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas sp.	170.57
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Cryptomonas ovata	24.37
Peters Pond	09/25/1998	ECPTP04	Cryptophyta	Chroomonas sp.	97.47
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Ochromonas sp.	24.37
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Elakatothrix gelatinosa	73.10
Peters Pond	09/25/1998	ECPTP04	Phyrrhophyta	Peridinium sp.	73.10
Peters Pond	09/25/1998	ECPTP04	Cyanophyta	Microcystis sp.	609.18
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Mallomonas sp.	24.37
Peters Pond	09/25/1998	ECPTP04	Diatom	Stephanodiscus sp.	24.37
Peters Pond	09/25/1998	ECPTP04	Diatom	Tabellaria sp.	925.96
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Gloeocystis sp.	194.94
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Pediastrum tetras	97.47
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Schizochlamys sp.	48.73
Peters Pond	09/25/1998	ECPTP04	Chlorophyta	Staurostrum manfeldtii fluminense	48.73
Peters Pond	09/25/1998	ECPTP04	Chrysophyta	Dinobryon sertularia	731.02
Peters Pond	09/25/1998	ECPTP05	Indeterminate	Indeterminate	929.73
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Merismopedia tenuissima	3599.93
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Oocystis sp.	490.90
Peters Pond	09/25/1998	ECPTP05	Diatom	Asterionella formosa	490.90
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Merismopedia tenuissima	1487.58
Peters Pond	09/25/1998	ECPTP05	Diatom	Tabellaria sp.	899.98
Peters Pond	09/25/1998	ECPTP05	Phyrrhophyta	Peridinium sp.	148.76
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Volvocales	572.72
Peters Pond	09/25/1998	ECPTP05	Chrysophyta	Dinobryon sociale	163.63
Peters Pond	09/25/1998	ECPTP05	Cryptophyta	Chroomonas sp.	163.63
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Aphanothece sp.	245.45
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Coelosphaerium sp.	8999.83
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Chroococcus sp.	892.55
Peters Pond	09/25/1998	ECPTP05	Diatom	Stephanodiscus sp.	163.63
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Radiocystis geminata	4090.83

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Peters Pond	09/25/1998	ECPTP05	Cyanophyta	Chroococcus sp.	1718.15
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Oocystis sp.	37.19
Peters Pond	09/25/1998	ECPTP05	Cryptophyta	Cryptomonas sp.	74.38
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Gloeocystis sp.	1554.52
Peters Pond	09/25/1998	ECPTP05	Diatom	Tabellaria sp.	1115.68
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Elakatothrix gelatinosa	297.52
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Gloeocystis sp.	855.36
Peters Pond	09/25/1998	ECPTP05	Diatom	Nitzschia palea	37.19
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Quadrigula sp.	371.89
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Staurostrum manfeldtii fluminense	37.19
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Tetrasporales	37.19
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Volvocales	74.38
Peters Pond	09/25/1998	ECPTP05	Chrysophyta	Chrysosphaerella sp.	5578.41
Peters Pond	09/25/1998	ECPTP05	Chrysophyta	Dinobryon Tabelariae	185.95
Peters Pond	09/25/1998	ECPTP05	Chrysophyta	Indeterminate Chrysophyta	185.95
Peters Pond	09/25/1998	ECPTP05	Cryptophyta	Chroomonas sp.	185.95
Peters Pond	09/25/1998	ECPTP05	Chlorophyta	Franceia droescheri	37.19
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	111.50
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Tetrasporales	120.79
Snake Pond	05/06/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	167.25
Snake Pond	05/06/1998	ECSNP02	Cryptophyta	Chroomonas sp.	55.75
Snake Pond	05/06/1998	ECSNP02	Cyanophyta	Chroococcales	3865.35
Snake Pond	05/06/1998	ECSNP02	Diatom	Bacillariophyta	111.50
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Ankistrodesmus falcatus	130.08
Snake Pond	05/06/1998	ECSNP02	Diatom	Rhizosolenia sp.	724.75
Snake Pond	05/06/1998	ECSNP02	Diatom	Navicula sp.	40.26
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Micractinaceae	80.53
Snake Pond	05/06/1998	ECSNP02	Cyanophyta	Merismopedia sp.	442.91
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix viridis	161.06
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix viridis	74.33
Snake Pond	05/06/1998	ECSNP02	Diatom	Tabellaria sp.	545.11
Snake Pond	05/06/1998	ECSNP02	Diatom	Bacillariophyta	247.78

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/06/1998	ECSNP02	Cryptophyta	Chroomonas sp.	40.26
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	322.11
Snake Pond	05/06/1998	ECSNP02	Cyanophyta	Chroococcales	7334.26
Snake Pond	05/06/1998	ECSNP02	Cyanophyta	Chroococcales	4952.49
Snake Pond	05/06/1998	ECSNP02	Diatom	Rhizosolenia sp.	792.89
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Micractinaceae	49.56
Snake Pond	05/06/1998	ECSNP02	Indeterminate	Indeterminate	99.11
Snake Pond	05/06/1998	ECSNP02	Diatom	Fragilaria crotonensis	99.11
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix viridis	297.33
Snake Pond	05/06/1998	ECSNP02	Diatom	Rhizosolenia sp.	390.25
Snake Pond	05/06/1998	ECSNP02	Cryptophyta	Chroomonas sp.	99.11
Snake Pond	05/06/1998	ECSNP02	Diatom	Bacillariophyta	120.79
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Ankistrodesmus falcatus	247.78
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Oocystis sp.	74.33
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Micractinaceae	37.17
Snake Pond	05/06/1998	ECSNP02	Cyanophyta	Merismopedia sp.	185.83
Snake Pond	05/06/1998	ECSNP02	Chrysophyta	Mallomonas pseudocoronata	18.58
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Indeterminate Chlorophyta	18.58
Snake Pond	05/06/1998	ECSNP02	Indeterminate	Indeterminate	37.17
Snake Pond	05/06/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	297.33
Snake Pond	05/06/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	80.53
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Micractinaceae	33.61
Snake Pond	05/06/1998	ECSNP06	Indeterminate	Indeterminate	17.18
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Indeterminate Chlorophyta	51.54
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Elakatothrix viridis	206.15
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Elakatothrix gelatinosa	103.08
Snake Pond	05/06/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	34.36
Snake Pond	05/06/1998	ECSNP06	Cryptophyta	Chroomonas sp.	51.54
Snake Pond	05/06/1998	ECSNP06	Diatom	Bacillariophyta	68.72
Snake Pond	05/06/1998	ECSNP06	Diatom	Asterionella formosa	85.90
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Ankistrodesmus falcatus	120.26
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Actinastrum Hantzschii	68.72

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Mallomonas sp.	154.61
Snake Pond	05/06/1998	ECSNP06	Diatom	Rhizosolenia sp.	436.95
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Chrysophyta	34.36
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Mallomonas sp.	33.61
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Elakatothrix viridis	134.45
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Elakatothrix gelatinosa	67.22
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Chrysophyta	33.61
Snake Pond	05/06/1998	ECSNP06	Cryptophyta	Chroomonas sp.	33.61
Snake Pond	05/06/1998	ECSNP06	Cyanophyta	Chroococcales	5243.44
Snake Pond	05/06/1998	ECSNP06	Diatom	Bacillariophyta	67.22
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Ankistrodesmus falcatus	201.67
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Actinastrum Hantzschii	134.45
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Tetrasporales	369.73
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Selenastrum minutum	17.18
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Micractinaceae	68.72
Snake Pond	05/06/1998	ECSNP06	Cyanophyta	Chroococcales	2422.29
Snake Pond	05/06/1998	ECSNP06	Diatom	Rhizosolenia sp.	463.84
Snake Pond	05/06/1998	ECSNP06	Diatom	Stephanodiscus sp.	34.36
Snake Pond	05/06/1998	ECSNP06	Diatom	Tabellaria sp.	34.36
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Tetrasporales	223.33
Snake Pond	05/06/1998	ECSNP06	Diatom	Bacillariophyta	110.44
Snake Pond	05/06/1998	ECSNP06	Cyanophyta	Chroococcales	3727.31
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Chrysophyta	27.61
Snake Pond	05/06/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	27.61
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Elakatothrix viridis	27.61
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Oocystis sp.	17.18
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Schroederia Judayi	27.61
Snake Pond	05/06/1998	ECSNP06	Diatom	Tabellaria sp.	27.61
Snake Pond	05/06/1998	ECSNP06	Chlorophyta	Tetrasporales	414.15
Snake Pond	05/06/1998	ECSNP06	Chrysophyta	Uroglenopsis sp.	27.61
Snake Pond	05/06/1998	ECSNP06	Diatom	Rhizosolenia sp.	248.49
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Selenastrum minutum	56.02

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate protozoan	37.35
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Mallomonas sp.	4.67
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Micractinaceae	70.02
Snake Pond	05/06/1998	ECSNP07	Diatom	Navicula sp.	4.67
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate	65.36
Snake Pond	05/06/1998	ECSNP07	Diatom	Rhizosolenia sp.	116.71
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Uroglenopsis sp.	23.01
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Ankistrodesmus falcatus	22.55
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Aphanizomenon flos-aquae	193.27
Snake Pond	05/06/1998	ECSNP07	Diatom	Asterionella formosa	12.88
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Oocystis sp.	23.34
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	65.36
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix viridis	158.72
Snake Pond	05/06/1998	ECSNP07	Cryptophyta	Cryptophyta	9.34
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Selenastrum minutum	9.20
Snake Pond	05/06/1998	ECSNP07	Diatom	Rhizosolenia sp.	87.43
Snake Pond	05/06/1998	ECSNP07	Cryptophyta	Chroomonas sp.	28.01
Snake Pond	05/06/1998	ECSNP07	Diatom	Bacillariophyta	93.37
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Aphanocapsa sp.	98.03
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Chroococcales	476.17
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Ankistrodesmus falcatus	4.67
Snake Pond	05/06/1998	ECSNP07	Diatom	Bacillariophyta	96.63
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Chroococcales	331.78
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix gelatinosa	130.71
Snake Pond	05/06/1998	ECSNP07	Diatom	Tabellaria sp.	25.77
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Crucigenia sp.	12.88
Snake Pond	05/06/1998	ECSNP07	Cryptophyta	Cryptophyta	12.88
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix gelatinosa	32.21
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix viridis	157.84
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	51.54
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate	125.62
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate protozoan	16.11

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Mallomonas sp.	3.22
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Micractinaceae	38.65
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Oocystis sp.	35.43
Snake Pond	05/06/1998	ECSNP07	Cryptophyta	Chroomonas sp.	22.55
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Selenastrum minutum	90.19
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Chroococcales	630.42
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Uroglenopsis sp.	3.22
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Ankistrodesmus falcatus	18.41
Snake Pond	05/06/1998	ECSNP07	Diatom	Bacillariophyta	110.44
Snake Pond	05/06/1998	ECSNP07	Cryptophyta	Chroomonas sp.	4.60
Snake Pond	05/06/1998	ECSNP07	Cyanophyta	Aphanocapsa sp.	28.99
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix viridis	50.62
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	27.61
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate	105.84
Snake Pond	05/06/1998	ECSNP07	Indeterminate	Indeterminate protozoan	13.80
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Mallomonas pseudocoronata	4.60
Snake Pond	05/06/1998	ECSNP07	Chrysophyta	Mallomonas sp.	18.41
Snake Pond	05/06/1998	ECSNP07	Diatom	Rhizosolenia sp.	148.17
Snake Pond	05/06/1998	ECSNP07	Chlorophyta	Elakatothrix gelatinosa	27.61
Snake Pond	05/06/1998	ECSNP08	Chrysophyta	Mallomonas sp.	15.46
Snake Pond	05/06/1998	ECSNP08	Cyanophyta	Aphanocapsa sp.	61.85
Snake Pond	05/06/1998	ECSNP08	Cyanophyta	Chroococcales	1855.37
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Elakatothrix gelatinosa	77.31
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Elakatothrix viridis	355.61
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	92.77
Snake Pond	05/06/1998	ECSNP08	Euglenophyta	Trachelomonas sp.	14.32
Snake Pond	05/06/1998	ECSNP08	Chrysophyta	Mallomonas pseudocoronata	15.46
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Ankistrodesmus falcatus	46.38
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Micractinaceae	603.00
Snake Pond	05/06/1998	ECSNP08	Diatom	Rhizosolenia sp.	448.38
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Selenastrum minutum	30.92
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Spondylosium sp.	77.31

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/06/1998	ECSNP08	Chrysophyta	Synura sp.	154.61
Snake Pond	05/06/1998	ECSNP08	Chrysophyta	Uroglenopsis sp.	15.46
Snake Pond	05/06/1998	ECSNP08	Indeterminate	Indeterminate	154.61
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Elakatothrix viridis	114.53
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Schroederia Judayi	28.63
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Scenedesmus dimorphus	42.95
Snake Pond	05/06/1998	ECSNP08	Diatom	Rhizosolenia sp.	286.32
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Micractinaceae	85.90
Snake Pond	05/06/1998	ECSNP08	Indeterminate	Indeterminate protozoan	42.95
Snake Pond	05/06/1998	ECSNP08	Diatom	Bacillariophyta	123.69
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	42.95
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Elakatothrix gelatinosa	85.90
Snake Pond	05/06/1998	ECSNP08	Cryptophyta	Cryptomonas sp.	14.32
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Crucigenia sp.	57.26
Snake Pond	05/06/1998	ECSNP08	Cryptophyta	Chroomonas sp.	14.32
Snake Pond	05/06/1998	ECSNP08	Cyanophyta	Chroococcales	2390.79
Snake Pond	05/06/1998	ECSNP08	Chlorophyta	Selenastrum minutum	14.32
Snake Pond	05/06/1998	ECSNP08	Diatom	Bacillariophyta	57.26
Snake Pond	05/06/1998	ECSNP08	Indeterminate	Indeterminate	286.32
Snake Pond	05/07/1998	ECSNP03	Diatom	Asterionella formosa	54.06
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	77.31
Snake Pond	05/07/1998	ECSNP03	Diatom	Bacillariophyta	87.85
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Actinastrum Hantzschii	355.61
Snake Pond	05/07/1998	ECSNP03	Diatom	Asterionella formosa	123.69
Snake Pond	05/07/1998	ECSNP03	Diatom	Bacillariophyta	77.31
Snake Pond	05/07/1998	ECSNP03	Cyanophyta	Chroococcales	2442.90
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Mallomonas sp.	67.58
Snake Pond	05/07/1998	ECSNP03	Diatom	Tabellaria sp.	15.46
Snake Pond	05/07/1998	ECSNP03	Cryptophyta	Chroomonas sp.	74.33
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Mallomonas pseudocoronata	15.46
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Chrysophyta	87.85
Snake Pond	05/07/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	33.79

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Dinobryon socialis	6.76
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix gelatinosa	27.03
Snake Pond	05/07/1998	ECSNP03	Cryptophyta	Chroomonas sp.	15.46
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Mallomonas akromonas	40.55
Snake Pond	05/07/1998	ECSNP03	Cyanophyta	Chroococcales	2916.91
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Tetrasporales	87.85
Snake Pond	05/07/1998	ECSNP03	Diatom	Tabellaria sp.	67.58
Snake Pond	05/07/1998	ECSNP03	Diatom	Stephanodiscus sp.	13.52
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Schroederia Judayi	6.76
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Scenedesmus quadricauda	54.06
Snake Pond	05/07/1998	ECSNP03	Diatom	Rhizosolenia sp.	189.21
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Oocystis sp.	20.27
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	27.03
Snake Pond	05/07/1998	ECSNP03	Diatom	Tabellaria sp.	107.37
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Micractinaceae	13.52
Snake Pond	05/07/1998	ECSNP03	Euglenophyta	Euglenales	15.46
Snake Pond	05/07/1998	ECSNP03	Indeterminate	Indeterminate	92.77
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Ankistrodesmus falcatus	40.55
Snake Pond	05/07/1998	ECSNP03	Cyanophyta	Merismopedia sp.	108.23
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Tetrasporales	53.69
Snake Pond	05/07/1998	ECSNP03	Diatom	Rhizosolenia sp.	371.07
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Tetrasporales	170.08
Snake Pond	05/07/1998	ECSNP03	Diatom	Synedra sp.	30.92
Snake Pond	05/07/1998	ECSNP03	Diatom	Bacillariophyta	125.27
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Selenastrum minutum	89.48
Snake Pond	05/07/1998	ECSNP03	Diatom	Rhizosolenia sp.	447.38
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Indeterminate Chlorophyta	17.90
Snake Pond	05/07/1998	ECSNP03	Cyanophyta	Chroococcales	783.88
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	53.69
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix gelatinosa	35.79
Snake Pond	05/07/1998	ECSNP03	Chrysophyta	Chrysophyta	178.95
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Elakatothrix gelatinosa	170.08

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	05/07/1998	ECSNP03	Diatom	Stephanodiscus sp.	30.92
Snake Pond	05/07/1998	ECSNP03	Chlorophyta	Oocystis sp.	46.38
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Tetrasporales	60.00
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Mallomonas akromonas	42.61
Snake Pond	06/15/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	85.23
Snake Pond	06/15/1998	ECSNP02	Cryptophyta	Chroomonas sp.	85.23
Snake Pond	06/15/1998	ECSNP02	Cyanophyta	Chroococcus sp.	681.81
Snake Pond	06/15/1998	ECSNP02	Diatom	Asterionella formosa	809.64
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Mallomonas sp.	42.61
Snake Pond	06/15/1998	ECSNP02	Euglenophyta	Trachelomonas sp.	119.99
Snake Pond	06/15/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	60.00
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Oocystis sp.	179.99
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	60.00
Snake Pond	06/15/1998	ECSNP02	Cyanophyta	Chroococcus sp.	1139.91
Snake Pond	06/15/1998	ECSNP02	Diatom	Asterionella formosa	1019.92
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Arthrodesmus incus	60.00
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Uroglenopsis americana	6959.45
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Indeterminate Chlorophyta	71.14
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Uroglenopsis americana	4055.26
Snake Pond	06/15/1998	ECSNP02	Euglenophyta	Trachelomonas sp.	71.14
Snake Pond	06/15/1998	ECSNP02	Cyanophyta	Chroococcus limneticus	239.98
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Schroederia setigera	35.57
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Micractinaceae	426.13
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Indeterminate Chrysophyta	35.57
Snake Pond	06/15/1998	ECSNP02	Chlorophyta	Tetrasporales	71.14
Snake Pond	06/15/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	35.57
Snake Pond	06/15/1998	ECSNP02	Cryptophyta	Chroomonas sp.	35.57
Snake Pond	06/15/1998	ECSNP02	Cyanophyta	Chroococcus sp.	3165.95
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Uroglenopsis americana	4943.09
Snake Pond	06/15/1998	ECSNP02	Euglenophyta	Trachelomonas sp.	85.23
Snake Pond	06/15/1998	ECSNP02	Diatom	Stephanodiscus sp.	42.61
Snake Pond	06/15/1998	ECSNP02	Chrysophyta	Mallomonas sp.	35.57

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus sp.	167.61
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	879.93
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Chroomonas sp.	209.51
Snake Pond	06/15/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	41.90
Snake Pond	06/15/1998	ECSNP03	Diatom	Bacillariophyta	41.90
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Uroglenopsis americana	3127.29
Snake Pond	06/15/1998	ECSNP03	Chlorophyta	Tetrasporales	28.17
Snake Pond	06/15/1998	ECSNP03	Indeterminate	Indeterminate	28.17
Snake Pond	06/15/1998	ECSNP03	Indeterminate	Indeterminate protozoan	41.90
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	28.17
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Cryptophyta	8.38
Snake Pond	06/15/1998	ECSNP03	Chlorophyta	Crucigenia rectangularis	338.09
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Chroomonas sp.	28.17
Snake Pond	06/15/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	28.17
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Uroglenopsis americana	4399.65
Snake Pond	06/15/1998	ECSNP03	Diatom	Bacillariophyta	25.14
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Bitrichia spp.	8.38
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	25.14
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus Prescottii	33.52
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus sp.	477.68
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	75.42
Snake Pond	06/15/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	16.76
Snake Pond	06/15/1998	ECSNP03	Indeterminate	Indeterminate	25.14
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Indeterminate Chrysophyta	8.38
Snake Pond	06/15/1998	ECSNP03	Cyanophyta	Chroococcus sp.	648.00
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Mallomonas sp.	8.38
Snake Pond	06/15/1998	ECSNP03	Diatom	Bacillariophyta	56.35
Snake Pond	06/15/1998	ECSNP03	Chrysophyta	Uroglenopsis americana	645.28
Snake Pond	06/15/1998	ECSNP03	Cryptophyta	Chroomonas sp.	58.66
Snake Pond	06/15/1998	ECSNP03	Diatom	Asterionella formosa	56.35
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	24.97
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	144.98

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Chroomonas sp.	144.98
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Chroococcus sp.	1667.24
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Chroococcus Prescottii	72.49
Snake Pond	06/15/1998	ECSNP06	Diatom	Bacillariophyta	72.49
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Gloeocystis planctonica	144.98
Snake Pond	06/15/1998	ECSNP06	Indeterminate	Indeterminate protozoan	49.95
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Tetrasporales	224.77
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Chroomonas sp.	99.90
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Chroococcus sp.	924.06
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Chroococcus Prescottii	99.90
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Aphanocapsa sp.	99.90
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	1638.96
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	2922.02
Snake Pond	06/15/1998	ECSNP06	Indeterminate	Indeterminate protozoan	16.39
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Tetrasporales	49.17
Snake Pond	06/15/1998	ECSNP06	Indeterminate	Indeterminate	24.97
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Mallomonas sp.	36.24
Snake Pond	06/15/1998	ECSNP06	Diatom	Nitzschia palea	16.39
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Micractinaceae	16.39
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Oocystis sp.	65.56
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Mallomonas akromonas	16.39
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Gloeocystis sp.	147.51
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	65.56
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Crucigenia rectangularis	98.34
Snake Pond	06/15/1998	ECSNP06	Cryptophyta	Chroomonas sp.	114.73
Snake Pond	06/15/1998	ECSNP06	Cyanophyta	Chroococcus sp.	458.91
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	7538.81
Snake Pond	06/15/1998	ECSNP06	Chlorophyta	Tetraedron minimum	36.24
Snake Pond	06/15/1998	ECSNP06	Chrysophyta	Mallomonas sp.	16.39
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Cryptomonas sp.	55.58
Snake Pond	06/15/1998	ECSNP07	Diatom	Navicula sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Diatom	Eunotia incisa	27.79

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Chroomonas sp.	55.58
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus sp.	1278.39
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus limneticus	27.79
Snake Pond	06/15/1998	ECSNP07	Diatom	Bacillariophyta	27.79
Snake Pond	06/15/1998	ECSNP07	Diatom	Asterionella formosa	222.33
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Uroglenopsis sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Uroglenopsis americana	1363.61
Snake Pond	06/15/1998	ECSNP07	Euglenophyta	Trachelomonas sp.	58.44
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Tetrasporales	97.40
Snake Pond	06/15/1998	ECSNP07	Diatom	Nitzschia palea	19.48
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	111.16
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Scytonema spp.	808.47
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Ochromonas sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Diatom	Asterionella formosa	80.85
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Uroglenopsis americana	6023.06
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Indeterminate Chlorophyta	27.79
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Cryptomonas sp.	40.42
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Mallomonas akromonas	19.48
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus sp.	1859.47
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus Prescottii	323.39
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus limneticus elegans	1778.62
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Chroomonas sp.	40.42
Snake Pond	06/15/1998	ECSNP07	Diatom	Bacillariophyta	727.62
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Mallomonas akromonas	27.79
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Aphanocapsa sp.	768.04
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Anabaena spp.	1374.39
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Uroglenopsis americana	3723.99
Snake Pond	06/15/1998	ECSNP07	Euglenophyta	Trachelomonas sp.	27.79
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Tetrasporales	55.58
Snake Pond	06/15/1998	ECSNP07	Diatom	Tabellaria sp.	83.37
Snake Pond	06/15/1998	ECSNP07	Diatom	Asterionella formosa	97.40
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus limneticus	282.96

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	06/15/1998	ECSNP07	Cyanophyta	Chroococcus sp.	974.01
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Indeterminate Chlorophyta	97.40
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Mallomonas sp.	27.79
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Bitrichia spp.	19.48
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Chroomonas sp.	175.32
Snake Pond	06/15/1998	ECSNP07	Chrysophyta	Chrysomonadales	38.96
Snake Pond	06/15/1998	ECSNP07	Cryptophyta	Cryptomonas sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Chlorophyta	Eudorina sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Phyrrhophyta	Gymnodinium sp.	19.48
Snake Pond	06/15/1998	ECSNP07	Indeterminate	Indeterminate	253.24
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus limneticus	163.96
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Elakatothrix viridis	32.79
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Uroglenopsis americana	5640.30
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Mallomonas akromonas	32.79
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Indeterminate Chlorophyta	65.58
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Anabaena spp.	672.37
Snake Pond	06/15/1998	ECSNP08	Cryptophyta	Cryptophyta	32.79
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Crucigenia rectangularis	787.02
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Aphanocapsa sp.	1698.62
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus sp.	918.19
Snake Pond	06/15/1998	ECSNP08	Cryptophyta	Cryptomonas sp.	35.39
Snake Pond	06/15/1998	ECSNP08	Diatom	Asterionella formosa	196.75
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Uroglenopsis americana	7642.47
Snake Pond	06/15/1998	ECSNP08	Cryptophyta	Chroomonas sp.	131.17
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Euastrum spp.	141.55
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Uroglenopsis americana	5272.79
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Tetrasporales	70.78
Snake Pond	06/15/1998	ECSNP08	Diatom	Stephanodiscus dubius	70.78
Snake Pond	06/15/1998	ECSNP08	Diatom	Navicula sp.	35.39
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Mougeotia sp.	141.55
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Mallomonas akromonas	35.39
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus sp.	1415.51

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	06/15/1998	ECSNP08	Diatom	Fragilaria spp.	1769.39
Snake Pond	06/15/1998	ECSNP08	Diatom	Asterionella formosa	106.16
Snake Pond	06/15/1998	ECSNP08	Chrysophyta	Dinobryon bavaricum	35.39
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	65.58
Snake Pond	06/15/1998	ECSNP08	Cryptophyta	Chroomonas sp.	35.39
Snake Pond	06/15/1998	ECSNP08	Indeterminate	Indeterminate protozoan	55.38
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus Prescottii	141.55
Snake Pond	06/15/1998	ECSNP08	Diatom	Bacillariophyta	283.10
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	672.37
Snake Pond	06/15/1998	ECSNP08	Cryptophyta	Chroomonas sp.	55.38
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus sp.	1162.99
Snake Pond	06/15/1998	ECSNP08	Cyanophyta	Chroococcus limneticus	332.28
Snake Pond	06/15/1998	ECSNP08	Diatom	Bacillariophyta	110.76
Snake Pond	06/15/1998	ECSNP08	Indeterminate	Indeterminate protozoan	131.17
Snake Pond	06/15/1998	ECSNP08	Chlorophyta	Elakatothrix viridis	55.38
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Chroomonas sp.	85.23
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Indeterminate Chlorophyta	34.09
Snake Pond	08/03/1998	ECSNP02	Diatom	Indeterminate Bacillariophyta	85.23
Snake Pond	08/03/1998	ECSNP02	Indeterminate	Indeterminate	494.31
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis sp.	1124.98
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis planctonica	477.26
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis gigas	34.09
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Dinobryon bavaricum	306.81
Snake Pond	08/03/1998	ECSNP02	Diatom	Rhizosolenia sp.	68.18
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Crucigenia rectangularis	51.14
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus limneticus	31.76
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus sp.	1755.65
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	68.18
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Cryptophyta	15.88
Snake Pond	08/03/1998	ECSNP02	Diatom	Indeterminate Bacillariophyta	111.16
Snake Pond	08/03/1998	ECSNP02	Indeterminate	Indeterminate	460.54
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis sp.	1111.64

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis gigas	47.64
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Elakatothrix viridis	31.76
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Uroglena volvox	443.17
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Dinobryon bavaricum	778.15
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Tetrasporales	51.14
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	31.76
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Chroomonas sp.	63.52
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus sp.	1667.46
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Tetrasporales	37.89
Snake Pond	08/03/1998	ECSNP02	Diatom	Bacillariophyta	95.28
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Indeterminate Chrysophyta	31.76
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	95.28
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Elakatothrix gelatinosa	37.89
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Micractinaceae	15.88
Snake Pond	08/03/1998	ECSNP02	Diatom	Rhizosolenia sp.	15.88
Snake Pond	08/03/1998	ECSNP02	Diatom	Tabellaria sp.	111.16
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Tetrasporales	15.88
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Uroglenopsis americana	15.88
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Aphanocapsa sp.	719.94
Snake Pond	08/03/1998	ECSNP02	Diatom	Bacillariophyta	75.78
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Bitrichia spp.	18.95
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus limneticus	37.89
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus Prescottii	151.57
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus sp.	2121.94
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Cosmarium sp.	18.95
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Dinobryon bavaricum	852.56
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Mallomonas sp.	47.64
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Elakatothrix viridis	18.95
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis planctonica	416.81
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Gloeocystis sp.	568.38
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Indeterminate Chlorophyta	15.88
Snake Pond	08/03/1998	ECSNP02	Indeterminate	Indeterminate	227.35

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP02	Diatom	Bacillariophyta	51.14
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus limneticus	51.14
Snake Pond	08/03/1998	ECSNP02	Diatom	Indeterminate Bacillariophyta	37.89
Snake Pond	08/03/1998	ECSNP02	Chrysophyta	Indeterminate Chrysophyta	37.89
Snake Pond	08/03/1998	ECSNP02	Chlorophyta	Oocystis sp.	18.95
Snake Pond	08/03/1998	ECSNP02	Diatom	Rhizosolenia sp.	113.68
Snake Pond	08/03/1998	ECSNP02	Cyanophyta	Chroococcus Prescottii	801.12
Snake Pond	08/03/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	18.95
Snake Pond	08/03/1998	ECSNP03	Diatom	Tabellaria sp.	148.22
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Uroglenopsis americana	63.52
Snake Pond	08/03/1998	ECSNP03	Indeterminate	Indeterminate	688.64
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis sp.	199.93
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis planctonica	155.50
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis gigas	177.71
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	44.43
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Dinobryon bavaricum	311.00
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Cryptophyta	44.43
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	44.43
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus sp.	2310.28
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus Prescottii	710.86
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	44.43
Snake Pond	08/03/1998	ECSNP03	Diatom	Rhizosolenia sp.	42.35
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Tetraspora sp.	21.17
Snake Pond	08/03/1998	ECSNP03	Indeterminate	Indeterminate protozoan	22.21
Snake Pond	08/03/1998	ECSNP03	Diatom	Asterionella formosa	59.03
Snake Pond	08/03/1998	ECSNP03	Diatom	Bacillariophyta	19.68
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	19.68
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Tetrasporales	21.17
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus sp.	737.83
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Dinobryon bavaricum	19.68
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Elakatothrix gelatinosa	39.35
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	19.68

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis gigas	19.68
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis sp.	747.67
Snake Pond	08/03/1998	ECSNP03	Indeterminate	Indeterminate	88.54
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Mallomonas sp.	39.35
Snake Pond	08/03/1998	ECSNP03	Diatom	Bacillariophyta	66.64
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus sp.	2265.70
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Oocystis sp.	21.17
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Microcystis sp.	127.05
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Mallomonas sp.	63.52
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Indeterminate Chlorophyta	42.35
Snake Pond	08/03/1998	ECSNP03	Diatom	Indeterminate Bacillariophyta	63.52
Snake Pond	08/03/1998	ECSNP03	Indeterminate	Indeterminate	889.34
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis sp.	254.10
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis planctonica	232.92
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Gloeocystis gigas	211.75
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	84.70
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Dinobryon bavaricum	868.17
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Cryptophyta	63.52
Snake Pond	08/03/1998	ECSNP03	Diatom	Indeterminate Bacillariophyta	66.64
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Chroomonas sp.	63.52
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Indeterminate Chlorophyta	133.29
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus Prescottii	423.50
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	42.35
Snake Pond	08/03/1998	ECSNP03	Diatom	Bacillariophyta	63.52
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Uroglenopsis americana	88.86
Snake Pond	08/03/1998	ECSNP03	Euglenophyta	Trachelomonas sp.	22.21
Snake Pond	08/03/1998	ECSNP03	Diatom	Tabellaria sp.	133.29
Snake Pond	08/03/1998	ECSNP03	Diatom	Synedra sp.	44.43
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Staurostrum curvatum elongatum	22.21
Snake Pond	08/03/1998	ECSNP03	Diatom	Rhizosolenia sp.	88.86
Snake Pond	08/03/1998	ECSNP03	Chlorophyta	Oocystis sp.	44.43
Snake Pond	08/03/1998	ECSNP03	Chrysophyta	Mallomonas sp.	88.86

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	29.51
Snake Pond	08/03/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	21.17
Snake Pond	08/03/1998	ECSNP03	Cyanophyta	Chroococcus Prescottii	324.65
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis gigas	134.08
Snake Pond	08/03/1998	ECSNP06	Diatom	Rhizosolenia sp.	56.07
Snake Pond	08/03/1998	ECSNP06	Diatom	Tabellaria sp.	16.76
Snake Pond	08/03/1998	ECSNP06	Diatom	Synedra sp.	33.52
Snake Pond	08/03/1998	ECSNP06	Diatom	Rhizosolenia sp.	16.76
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Mallomonas sp.	50.28
Snake Pond	08/03/1998	ECSNP06	Diatom	Indeterminate Bacillariophyta	16.76
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	33.52
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis sp.	1156.48
Snake Pond	08/03/1998	ECSNP06	Diatom	Bacillariophyta	22.43
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Eudorina sp.	251.41
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Elakatothrix gelatinosa	33.52
Snake Pond	08/03/1998	ECSNP06	Diatom	Synedra sp.	11.21
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Dinobryon bavaricum	201.13
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	33.52
Snake Pond	08/03/1998	ECSNP06	Indeterminate	Indeterminate	553.10
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Cryptophyta	22.43
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Mallomonas sp.	22.43
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Indeterminate Chlorophyta	22.43
Snake Pond	08/03/1998	ECSNP06	Diatom	Indeterminate Bacillariophyta	22.43
Snake Pond	08/03/1998	ECSNP06	Indeterminate	Indeterminate	145.78
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis sp.	1110.18
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis planctonica	493.41
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Tetrasporales	50.28
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Dinobryon bavaricum	1121.39
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus sp.	1743.10
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Cryptomonas ovata	100.93
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Chroomonas sp.	89.71
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus sp.	538.27

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus Prescottii	325.20
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus limneticus	22.43
Snake Pond	08/03/1998	ECSNP06	Diatom	Stephanodiscus sp.	11.21
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis gigas	56.07
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus limneticus	19.76
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Elakatothrix gelatinosa	19.76
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Dinobryon bavaricum	256.91
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	69.17
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Cryptomonas ovata	19.76
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Chroomonas sp.	88.93
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Chrysomonadales	16.76
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus Prescottii	494.06
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis planctonica	118.57
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Bitrichia spp.	9.88
Snake Pond	08/03/1998	ECSNP06	Diatom	Bacillariophyta	69.17
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	22.43
Snake Pond	08/03/1998	ECSNP06	Euglenophyta	Trachelomonas sp.	11.21
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Tetrasporales	213.06
Snake Pond	08/03/1998	ECSNP06	Diatom	Tabellaria sp.	44.86
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus sp.	365.61
Snake Pond	08/03/1998	ECSNP06	Diatom	Rhizosolenia sp.	29.64
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus Prescottii	452.54
Snake Pond	08/03/1998	ECSNP06	Cyanophyta	Chroococcus limneticus	33.52
Snake Pond	08/03/1998	ECSNP06	Diatom	Bacillariophyta	67.04
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Oocystis sp.	44.86
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Uroglenopsis americana	118.57
Snake Pond	08/03/1998	ECSNP06	Phyrrhophyta	Glenodinium sp.	9.88
Snake Pond	08/03/1998	ECSNP06	Diatom	Synedra sp.	9.88
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis gigas	29.64
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Mallomonas sp.	39.52
Snake Pond	08/03/1998	ECSNP06	Chrysophyta	Mallomonas akromonas	9.88
Snake Pond	08/03/1998	ECSNP06	Diatom	Indeterminate Bacillariophyta	29.64

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP06	Indeterminate	Indeterminate	49.41
Snake Pond	08/03/1998	ECSNP06	Chlorophyta	Gloeocystis sp.	958.48
Snake Pond	08/03/1998	ECSNP06	Cryptophyta	Chroomonas sp.	83.80
Snake Pond	08/03/1998	ECSNP06	Diatom	Tabellaria sp.	59.29
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	1952.44
Snake Pond	08/03/1998	ECSNP07	Chrysophyta	Dinobryon bavaricum	1010.58
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Oocystis sp.	40.42
Snake Pond	08/03/1998	ECSNP07	Euglenophyta	Trachelomonas sp.	15.50
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Indeterminate Chlorophyta	10.11
Snake Pond	08/03/1998	ECSNP07	Diatom	Indeterminate Bacillariophyta	15.50
Snake Pond	08/03/1998	ECSNP07	Indeterminate	Indeterminate	212.22
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis sp.	687.20
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis planctonica	40.42
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis gigas	50.53
Snake Pond	08/03/1998	ECSNP07	Diatom	Rhizosolenia sp.	10.11
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Eudorina sp.	40.42
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Merismopedia tenuissima	363.81
Snake Pond	08/03/1998	ECSNP07	Cryptophyta	Cryptophyta	20.21
Snake Pond	08/03/1998	ECSNP07	Cryptophyta	Cryptomonas sp.	70.74
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Coelosphaerium sp.	1081.32
Snake Pond	08/03/1998	ECSNP07	Cryptophyta	Chroomonas sp.	50.53
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Chroococcus sp.	282.96
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Chroococcus Prescottii	444.66
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Chroococcus limneticus	10.11
Snake Pond	08/03/1998	ECSNP07	Diatom	Bacillariophyta	20.21
Snake Pond	08/03/1998	ECSNP07	Phyrrrophyta	Glenodinium sp.	10.11
Snake Pond	08/03/1998	ECSNP07	Chrysophyta	Mallomonas sp.	30.99
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Tetrasporales	402.89
Snake Pond	08/03/1998	ECSNP07	Diatom	Tabellaria sp.	61.98
Snake Pond	08/03/1998	ECSNP07	Diatom	Synedra sp.	46.49
Snake Pond	08/03/1998	ECSNP07	Diatom	Rhizosolenia sp.	15.50
Snake Pond	08/03/1998	ECSNP07	Diatom	Indeterminate Bacillariophyta	40.42

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Micractinaceae	15.50
Snake Pond	08/03/1998	ECSNP07	Diatom	Synedra sp.	50.53
Snake Pond	08/03/1998	ECSNP07	Indeterminate	Indeterminate	46.49
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Chroococcus Prescottii	557.84
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Oocystis sp.	61.98
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Tetrasporales	394.13
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis planctonica	557.84
Snake Pond	08/03/1998	ECSNP07	Cyanophyta	Chroococcus sp.	371.89
Snake Pond	08/03/1998	ECSNP07	Cryptophyta	Cryptomonas sp.	30.99
Snake Pond	08/03/1998	ECSNP07	Chrysophyta	Dinobryon bavaricum	573.34
Snake Pond	08/03/1998	ECSNP07	Diatom	Fragilaria spp.	929.73
Snake Pond	08/03/1998	ECSNP07	Chlorophyta	Gloeocystis gigas	15.50
Snake Pond	08/03/1998	ECSNP07	Diatom	Tabellaria sp.	60.63
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	1153.82
Snake Pond	08/03/1998	ECSNP08	Diatom	Synedra sp.	18.59
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Tetrasporales	314.68
Snake Pond	08/03/1998	ECSNP08	Diatom	Tabellaria sp.	52.45
Snake Pond	08/03/1998	ECSNP08	Diatom	Synedra sp.	26.22
Snake Pond	08/03/1998	ECSNP08	Diatom	Rhizosolenia sp.	26.22
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Oocystis sp.	131.12
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Indeterminate Chlorophyta	13.11
Snake Pond	08/03/1998	ECSNP08	Indeterminate	Indeterminate	262.23
Snake Pond	08/03/1998	ECSNP08	Diatom	Indeterminate Bacillariophyta	37.19
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Tetrasporales	576.44
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Cryptomonas sp.	24.00
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Chrysomonadales	12.00
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Chroomonas sp.	24.00
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus sp.	263.98
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus Prescottii	695.95
Snake Pond	08/03/1998	ECSNP08	Diatom	Bacillariophyta	36.00
Snake Pond	08/03/1998	ECSNP08	Diatom	Tabellaria sp.	55.78
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Anabaena spp.	786.70

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Dinobryon bavaricum	491.96
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Mallomonas sp.	18.59
Snake Pond	08/03/1998	ECSNP08	Phyrrhophyta	Glenodinium sp.	12.00
Snake Pond	08/03/1998	ECSNP08	Indeterminate	Indeterminate	74.38
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	669.41
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis gigas	223.14
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis ampla	18.59
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Eudorina sp.	55.78
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Elakatothrix gelatinosa	18.59
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Dinobryon bavaricum	185.95
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Chroomonas sp.	18.59
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus sp.	427.68
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus Prescottii	74.38
Snake Pond	08/03/1998	ECSNP08	Diatom	Rhizosolenia sp.	18.59
Snake Pond	08/03/1998	ECSNP08	Diatom	Tabellaria sp.	60.00
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis gigas	104.89
Snake Pond	08/03/1998	ECSNP08	Phyrrhophyta	Glenodinium sp.	13.11
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Elakatothrix viridis	13.11
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Dinobryon bavaricum	1324.28
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Cryptomonas sp.	26.22
Snake Pond	08/03/1998	ECSNP08	Chrysophyta	Chrysomonadales	13.11
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Chroomonas sp.	104.89
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus sp.	301.57
Snake Pond	08/03/1998	ECSNP08	Cyanophyta	Chroococcus Prescottii	393.35
Snake Pond	08/03/1998	ECSNP08	Cryptophyta	Cryptophyta	12.00
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Tetrasporales	335.97
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis planctonica	209.79
Snake Pond	08/03/1998	ECSNP08	Diatom	Synedra sp.	36.00
Snake Pond	08/03/1998	ECSNP08	Diatom	Stephanodiscus sp.	12.00
Snake Pond	08/03/1998	ECSNP08	Diatom	Rhizosolenia sp.	12.00
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Oocystis sp.	48.00
Snake Pond	08/03/1998	ECSNP08	Indeterminate	Indeterminate protozoan	12.00

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Indeterminate Chlorophyta	12.00
Snake Pond	08/03/1998	ECSNP08	Diatom	Indeterminate Bacillariophyta	36.00
Snake Pond	08/03/1998	ECSNP08	Indeterminate	Indeterminate	215.98
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis sp.	1271.90
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Gloeocystis gigas	12.00
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Arthrodesmus ralfsii	13.11
Snake Pond	08/03/1998	ECSNP08	Chlorophyta	Tetraspora sp.	12.00
Snake Pond	09/21/1998	ECSNP03	Cryptophyta	Cryptophyta	157.83
Snake Pond	09/21/1998	ECSNP03	Diatom	Rhizosolenia sp.	79.19
Snake Pond	09/21/1998	ECSNP03	Chlorophyta	Elakatothrix viridis	26.40
Snake Pond	09/21/1998	ECSNP03	Chlorophyta	Nephrocytium limneticum	79.19
Snake Pond	09/21/1998	ECSNP03	Chlorophyta	Schizochlamys sp.	79.19
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Dinobryon divergens	1055.92
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Indeterminate Chrysophyta	52.80
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	343.17
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus sp.	105.59
Snake Pond	09/21/1998	ECSNP03	Indeterminate	Indeterminate	26.40
Snake Pond	09/21/1998	ECSNP03	Diatom	Bacillariophyta	18.25
Snake Pond	09/21/1998	ECSNP03	Diatom	Tabellaria sp.	54.74
Snake Pond	09/21/1998	ECSNP03	Diatom	Bacillariophyta	26.40
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	236.74
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus limneticus	547.42
Snake Pond	09/21/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	236.74
Snake Pond	09/21/1998	ECSNP03	Cryptophyta	Chroomonas sp.	63.13
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Ochromonas sp.	15.78
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Dinobryon divergens	31.57
Snake Pond	09/21/1998	ECSNP03	Chlorophyta	Tetrasporales	47.35
Snake Pond	09/21/1998	ECSNP03	Diatom	Tabellaria sp.	78.91
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus sp.	36.49
Snake Pond	09/21/1998	ECSNP03	Cryptophyta	Cryptomonas sp.	54.74
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Indeterminate Chrysophyta	36.49
Snake Pond	09/21/1998	ECSNP03	Chrysophyta	Dinobryon divergens	565.67

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	09/21/1998	ECSNP03	Chlorophyta	Gloeocystis gigas	18.25
Snake Pond	09/21/1998	ECSNP03	Cyanophyta	Chroococcus sp.	31.57
Snake Pond	09/21/1998	ECSNP03	Cryptophyta	Chroomonas sp.	182.47
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Cryptomonas ovata	633.55
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Gloeocystis sp.	395.97
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Indeterminate Chlorophyta	52.80
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Oocystis sp.	26.40
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Tetrasporales	79.19
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Treubaria setigerum	26.40
Snake Pond	09/21/1998	ECSNP06	Chrysophyta	Chrysamoebae sp.	554.36
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Gloeocystis planctonica	105.59
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Chroomonas sp.	184.79
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Volvocales	237.58
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	158.39
Snake Pond	09/21/1998	ECSNP06	Cyanophyta	Chroococcus sp.	1663.07
Snake Pond	09/21/1998	ECSNP06	Cyanophyta	Oscillatoria limnetica	1451.89
Snake Pond	09/21/1998	ECSNP06	Euglenophyta	Trachelomonas sp.	52.80
Snake Pond	09/21/1998	ECSNP06	Phyrrhophyta	Peridinium sp.	26.40
Snake Pond	09/21/1998	ECSNP06	Chrysophyta	Indeterminate Chrysophyta	79.19
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Schizochlamys sp.	136.36
Snake Pond	09/21/1998	ECSNP06	Chrysophyta	Dinobryon sertularia	791.94
Snake Pond	09/21/1998	ECSNP06	Diatom	Bacillariophyta	45.45
Snake Pond	09/21/1998	ECSNP06	Diatom	Tabellaria sp.	26.40
Snake Pond	09/21/1998	ECSNP06	Chlorophyta	Tetrasporales	204.54
Snake Pond	09/21/1998	ECSNP06	Chrysophyta	Dinobryon divergens	613.63
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Chroomonas sp.	227.27
Snake Pond	09/21/1998	ECSNP06	Diatom	Rhizosolenia sp.	52.80
Snake Pond	09/21/1998	ECSNP06	Diatom	Asterionella formosa	158.39
Snake Pond	09/21/1998	ECSNP06	Cyanophyta	Chroococcus sp.	68.18
Snake Pond	09/21/1998	ECSNP06	Cyanophyta	Chroococcus limneticus	227.27
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Cryptomonas sp.	22.73
Snake Pond	09/21/1998	ECSNP06	Diatom	Stephanodiscus dubius	26.40

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	09/21/1998	ECSNP06	Cryptophyta	Cryptophyta	22.73
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Mallomonas sp.	116.22
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Chroococcus sp.	3759.96
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Volvocales	150.40
Snake Pond	09/21/1998	ECSNP07	Diatom	Synedra sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Diatom	Rhizosolenia sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Indeterminate Chrysophyta	37.60
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Indeterminate Chlorophyta	112.80
Snake Pond	09/21/1998	ECSNP07	Phyrrhophyta	Glenodinium sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Dinobryon sertularia	1654.38
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Crucigenia tetrapedia	37.60
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Crucigenia sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Microcystis sp.	1394.60
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Indeterminate Chrysophyta	232.43
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Chrysosphaerella sp.	150.40
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Mougeotia sp.	348.65
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Oscillatoria limnetica	8135.18
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Pediastrum boryanum	1510.82
Snake Pond	09/21/1998	ECSNP07	Diatom	Rhizosolenia sp.	232.43
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Scenedesmus quadricauda	581.08
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Tetrasporales	232.43
Snake Pond	09/21/1998	ECSNP07	Diatom	Synedra sp.	232.43
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Stichococcus bacillaris	4067.59
Snake Pond	09/21/1998	ECSNP07	Diatom	Stephanodiscus dubius	116.22
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Dinobryon bavaricum	150.40
Snake Pond	09/21/1998	ECSNP07	Diatom	Stenopterobia intermedia	116.22
Snake Pond	09/21/1998	ECSNP07	Cryptophyta	Chroomonas sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Tetrasporales	75.20
Snake Pond	09/21/1998	ECSNP07	Diatom	Indeterminate Bacillariophyta	116.22
Snake Pond	09/21/1998	ECSNP07	Phyrrhophyta	Glenodinium sp.	116.22
Snake Pond	09/21/1998	ECSNP07	Diatom	Eunotia incisa	232.43
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Dinobryon sertularia	4881.11

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Coelosphaerium naeglianum	29054.21
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Chroococcus sp.	4067.59
Snake Pond	09/21/1998	ECSNP07	Cyanophyta	Chroococcus sp.	3759.96
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Uroglenopsis americana	2819.97
Snake Pond	09/21/1998	ECSNP07	Diatom	Stephanodiscus dubius	75.20
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Staurostrum arachne curvatum	37.60
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Indeterminate Chlorophyta	188.00
Snake Pond	09/21/1998	ECSNP07	Indeterminate	Indeterminate	75.20
Snake Pond	09/21/1998	ECSNP07	Phyrrhophyta	Glenodinium sp.	37.60
Snake Pond	09/21/1998	ECSNP07	Chrysophyta	Dinobryon sertularia	3459.16
Snake Pond	09/21/1998	ECSNP07	Chlorophyta	Volvocales	413.60
Snake Pond	09/21/1998	ECSNP08	Cryptophyta	Chroomonas sp.	36.55
Snake Pond	09/21/1998	ECSNP08	Diatom	Bacillariophyta	12.18
Snake Pond	09/21/1998	ECSNP08	Chlorophyta	Tetrasporales	36.55
Snake Pond	09/21/1998	ECSNP08	Indeterminate	Indeterminate	24.37
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Indeterminate Chrysophyta	14.61
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Dinobryon divergens	102.27
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Chrysosphaerella sp.	438.30
Snake Pond	09/21/1998	ECSNP08	Indeterminate	Indeterminate	24.37
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus limneticus	523.90
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Synura sp.	12.18
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Indeterminate Chrysophyta	12.18
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Dinobryon divergens	938.14
Snake Pond	09/21/1998	ECSNP08	Cryptophyta	Chroomonas sp.	24.37
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Dinobryon bavaricum	48.73
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Chrysosphaerella sp.	12.18
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus sp.	231.49
Snake Pond	09/21/1998	ECSNP08	Cryptophyta	Cryptomonas sp.	36.55
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Uroglenopsis americana	60.92
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Indeterminate Chrysophyta	12.18
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Dinobryon sertularia	12.18
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Dinobryon divergens	231.49

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	09/21/1998	ECSNP08	Chrysophyta	Chrysosphaerella sp.	24.37
Snake Pond	09/21/1998	ECSNP08	Chlorophyta	Staurostrum limneticum canadense	12.18
Snake Pond	09/21/1998	ECSNP08	Chlorophyta	Oocystis sp.	12.18
Snake Pond	09/21/1998	ECSNP08	Diatom	Rhizosolenia sp.	12.18
Snake Pond	09/21/1998	ECSNP08	Diatom	Bacillariophyta	12.18
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus limneticus	949.66
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus sp.	194.94
Snake Pond	09/21/1998	ECSNP08	Cryptophyta	Chroomonas sp.	29.22
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus limneticus	389.88
Snake Pond	09/21/1998	ECSNP08	Cyanophyta	Chroococcus sp.	248.37
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Volvocales	27.50
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Chrysosphaerella sp.	1315.98
Snake Pond	09/22/1998	ECSNP02	Cryptophyta	Chroomonas sp.	112.80
Snake Pond	09/22/1998	ECSNP02	Cyanophyta	Chroococcus sp.	1729.58
Snake Pond	09/22/1998	ECSNP02	Cyanophyta	Anabaena spp.	676.79
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Tetrasporales	55.00
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Uroglenopsis americana	274.98
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Gloeocystis sp.	150.40
Snake Pond	09/22/1998	ECSNP02	Diatom	Stenopterobia intermedia	27.50
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Dinobryon sertularia	4248.75
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Dinobryon sertularia	2914.77
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Indeterminate Chrysophyta	37.60
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Mallomonas pseudocoronata	37.60
Snake Pond	09/22/1998	ECSNP02	Diatom	Rhizosolenia sp.	150.40
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Spondylosium sp.	37.60
Snake Pond	09/22/1998	ECSNP02	Diatom	Synedra sp.	37.60
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Tetrasporales	112.80
Snake Pond	09/22/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	37.60
Snake Pond	09/22/1998	ECSNP02	Cyanophyta	Chroococcus sp.	2254.82
Snake Pond	09/22/1998	ECSNP02	Diatom	Rhizosolenia sp.	55.00
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Gloeocystis sp.	247.48
Snake Pond	09/22/1998	ECSNP02	Cyanophyta	Chroococcus Prescottii	27.50

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Snake Pond	09/22/1998	ECSNP02	Cryptophyta	Chroomonas sp.	27.50
Snake Pond	09/22/1998	ECSNP02	Cryptophyta	Cryptomonas sp.	27.50
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Franceia droescheri	27.50
Snake Pond	09/22/1998	ECSNP02	Chlorophyta	Golenkinia sp.	27.50
Snake Pond	09/22/1998	ECSNP02	Chrysophyta	Indeterminate Chrysophyta	27.50
Snake Pond	09/22/1998	ECSNP02	Diatom	Nitzschia dissipata	27.50
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Tetrasporales	463.84
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Crucigenia sp.	429.48
Triangle Pond	05/07/1998	ECTRP01	Indeterminate	Indeterminate	4294.84
Triangle Pond	05/07/1998	ECTRP01	Cryptophyta	Cryptomonas sp.	71.58
Triangle Pond	05/07/1998	ECTRP01	Diatom	Bacillariophyta	103.08
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Oocystis sp.	214.74
Triangle Pond	05/07/1998	ECTRP01	Cryptophyta	Chroomonas sp.	35.79
Triangle Pond	05/07/1998	ECTRP01	Cyanophyta	Chroococcales	1360.03
Triangle Pond	05/07/1998	ECTRP01	Diatom	Bacillariophyta	107.37
Triangle Pond	05/07/1998	ECTRP01	Diatom	Rhizosolenia sp.	286.32
Triangle Pond	05/07/1998	ECTRP01	Diatom	Rhizosolenia sp.	51.54
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Tetrasporales	416.27
Triangle Pond	05/07/1998	ECTRP01	Indeterminate	Indeterminate	343.59
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	120.26
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	35.79
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Schroederia Judayi	35.79
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Tetrasporales	214.74
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Volvocales	4867.48
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Volvocales	3270.68
Triangle Pond	05/07/1998	ECTRP01	Diatom	Rhizosolenia sp.	89.20
Triangle Pond	05/07/1998	ECTRP01	Cyanophyta	Merismopedia sp.	446.00
Triangle Pond	05/07/1998	ECTRP01	Indeterminate	Indeterminate	3003.08
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	59.47
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Crucigenia sp.	89.20
Triangle Pond	05/07/1998	ECTRP01	Cryptophyta	Chroomonas sp.	29.73
Triangle Pond	05/07/1998	ECTRP01	Cyanophyta	Chroococcales	921.74

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	05/07/1998	ECTRP01	Chrysophyta	Bitrichia spp.	29.73
Triangle Pond	05/07/1998	ECTRP01	Diatom	Bacillariophyta	29.73
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Actinastrum Hantzschii	237.87
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	17.18
Triangle Pond	05/07/1998	ECTRP01	Cryptophyta	Cryptomonas sp.	17.18
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Crucigenia sp.	206.15
Triangle Pond	05/07/1998	ECTRP01	Cryptophyta	Chroomonas sp.	68.72
Triangle Pond	05/07/1998	ECTRP01	Cyanophyta	Chroococcales	1511.78
Triangle Pond	05/07/1998	ECTRP01	Chrysophyta	Dinobryon socialis	137.43
Triangle Pond	05/07/1998	ECTRP01	Chlorophyta	Volvocales	1752.29
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate protozoan	2604.91
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate	896.76
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate protozoan	3246.90
Triangle Pond	05/07/1998	ECTRP04	Chrysophyta	Mallomonas sp.	15.46
Triangle Pond	05/07/1998	ECTRP04	Diatom	Rhizosolenia sp.	92.77
Triangle Pond	05/07/1998	ECTRP04	Chrysophyta	Uroglenopsis sp.	2056.37
Triangle Pond	05/07/1998	ECTRP04	Diatom	Bacillariophyta	100.84
Triangle Pond	05/07/1998	ECTRP04	Cyanophyta	Chroococcales	134.45
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Dictyosphaerium sp.	470.56
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Gloeocystis sp.	15.46
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate	881.30
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	33.61
Triangle Pond	05/07/1998	ECTRP04	Chrysophyta	Uroglenopsis sp.	1731.68
Triangle Pond	05/07/1998	ECTRP04	Diatom	Rhizosolenia sp.	15.46
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate protozoan	2860.36
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Gloeocystis sp.	16.81
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	15.46
Triangle Pond	05/07/1998	ECTRP04	Indeterminate	Indeterminate	520.98
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	15.46
Triangle Pond	05/07/1998	ECTRP04	Diatom	Rhizosolenia sp.	33.61
Triangle Pond	05/07/1998	ECTRP04	Cyanophyta	Chroococcales	108.23
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Gloeocystis sp.	15.46

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	05/07/1998	ECTRP04	Diatom	Bacillariophyta	185.54
Triangle Pond	05/07/1998	ECTRP04	Cyanophyta	Chroococcales	154.61
Triangle Pond	05/07/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	15.46
Triangle Pond	05/07/1998	ECTRP04	Chrysophyta	Uroglenopsis sp.	2688.94
Triangle Pond	05/07/1998	ECTRP04	Diatom	Bacillariophyta	231.92
Triangle Pond	05/07/1998	ECTRP05	Cryptophyta	Cryptomonas sp.	30.92
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Volvocales	2174.26
Triangle Pond	05/07/1998	ECTRP05	Diatom	Tabellaria sp.	40.26
Triangle Pond	05/07/1998	ECTRP05	Diatom	Rhizosolenia sp.	40.26
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Oocystis sp.	463.04
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Chroococcales	1979.06
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	100.66
Triangle Pond	05/07/1998	ECTRP05	Phyrrhophyta	Gymnodinium sp.	20.13
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Chroococcales	1248.19
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Aphanocapsa sp.	51.54
Triangle Pond	05/07/1998	ECTRP05	Chrysophyta	Dinobryon socialis	278.31
Triangle Pond	05/07/1998	ECTRP05	Chrysophyta	Dinobryon sertularia	51.54
Triangle Pond	05/07/1998	ECTRP05	Cryptophyta	Cryptomonas sp.	40.26
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Crucigenia sp.	161.06
Triangle Pond	05/07/1998	ECTRP05	Indeterminate	Indeterminate	946.21
Triangle Pond	05/07/1998	ECTRP05	Diatom	Bacillariophyta	30.92
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Volvocales	3246.90
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Tetrasporales	123.69
Triangle Pond	05/07/1998	ECTRP05	Diatom	Rhizosolenia sp.	123.69
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Oocystis sp.	92.77
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Merismopedia sp.	123.69
Triangle Pond	05/07/1998	ECTRP05	Indeterminate	Indeterminate	402.00
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	154.61
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Chroococcales	1700.76
Triangle Pond	05/07/1998	ECTRP05	Chrysophyta	Bitrichia spp.	61.85
Triangle Pond	05/07/1998	ECTRP05	Diatom	Asterionella formosa	154.61
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Volvocales	7215.33

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Tetrasporales	51.54
Triangle Pond	05/07/1998	ECTRP05	Diatom	Tabellaria sp.	51.54
Triangle Pond	05/07/1998	ECTRP05	Cyanophyta	Merismopedia sp.	824.61
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	206.15
Triangle Pond	05/07/1998	ECTRP05	Chlorophyta	Crucigenia sp.	206.15
Triangle Pond	05/07/1998	ECTRP05	Chrysophyta	Bitrichia spp.	51.54
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Tetrasporales	76.52
Triangle Pond	05/08/1998	ECTRP03	Chrysophyta	Uroglenopsis americana	5633.10
Triangle Pond	05/08/1998	ECTRP03	Chrysophyta	Uroglenopsis americana	8340.21
Triangle Pond	05/08/1998	ECTRP03	Diatom	Bacillariophyta	142.04
Triangle Pond	05/08/1998	ECTRP03	Diatom	Stephanodiscus dubius	765.16
Triangle Pond	05/08/1998	ECTRP03	Chrysophyta	Indeterminate Chrysophyta	994.70
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	76.52
Triangle Pond	05/08/1998	ECTRP03	Chrysophyta	Dinobryon socialis	229.55
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Crucigenia sp.	1562.47
Triangle Pond	05/08/1998	ECTRP03	Diatom	Bacillariophyta	382.58
Triangle Pond	05/08/1998	ECTRP03	Cyanophyta	Chroococcus sp.	1704.51
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Tetrasporales	54.69
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Schroederia setigera	54.69
Triangle Pond	05/08/1998	ECTRP03	Diatom	Rhizosolenia sp.	54.69
Triangle Pond	05/08/1998	ECTRP03	Indeterminate	Indeterminate	218.76
Triangle Pond	05/08/1998	ECTRP03	Cryptophyta	Chroomonas sp.	54.69
Triangle Pond	05/08/1998	ECTRP03	Cyanophyta	Chroococcus sp.	820.35
Triangle Pond	05/08/1998	ECTRP03	Cyanophyta	Chroococcus sp.	2218.96
Triangle Pond	05/08/1998	ECTRP03	Indeterminate	Indeterminate	1136.34
Triangle Pond	05/08/1998	ECTRP03	Diatom	Nitzschia palea	142.04
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Oocystis sp.	710.21
Triangle Pond	05/08/1998	ECTRP03	Chlorophyta	Tetrasporales	426.13
Triangle Pond	05/08/1998	ECTRP03	Chrysophyta	Uroglenopsis americana	15198.58
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Tetrasporales	62.60
Triangle Pond	05/08/1998	ECTRP06	Diatom	Stephanodiscus dubius	981.74
Triangle Pond	05/08/1998	ECTRP06	Diatom	Stephanodiscus dubius	1001.66

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Tetrasporales	130.90
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	65.45
Triangle Pond	05/08/1998	ECTRP06	Phyrrhophyta	Gymnodinium sp.	65.45
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Crucigenia tetrapedia	785.39
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Crucigenia sp.	1112.64
Triangle Pond	05/08/1998	ECTRP06	Cryptophyta	Chroomonas sp.	261.80
Triangle Pond	05/08/1998	ECTRP06	Diatom	Bacillariophyta	309.91
Triangle Pond	05/08/1998	ECTRP06	Chrysophyta	Uroglenopsis americana	6636.00
Triangle Pond	05/08/1998	ECTRP06	Chrysophyta	Uroglenopsis americana	7199.43
Triangle Pond	05/08/1998	ECTRP06	Indeterminate	Indeterminate	916.29
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Oocystis sp.	196.35
Triangle Pond	05/08/1998	ECTRP06	Diatom	Eunotia incisa	65.45
Triangle Pond	05/08/1998	ECTRP06	Cyanophyta	Chroococcus sp.	654.49
Triangle Pond	05/08/1998	ECTRP06	Diatom	Asterionella formosa	123.96
Triangle Pond	05/08/1998	ECTRP06	Diatom	Rhizosolenia sp.	196.35
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Tetrasporales	61.98
Triangle Pond	05/08/1998	ECTRP06	Chrysophyta	Uroglenopsis americana	6818.06
Triangle Pond	05/08/1998	ECTRP06	Cyanophyta	Chroococcus sp.	813.85
Triangle Pond	05/08/1998	ECTRP06	Cryptophyta	Chroomonas sp.	125.21
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Crucigenia sp.	375.62
Triangle Pond	05/08/1998	ECTRP06	Indeterminate	Indeterminate	939.06
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	125.21
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Oocystis sp.	250.42
Triangle Pond	05/08/1998	ECTRP06	Cyanophyta	Chroococcus sp.	1859.47
Triangle Pond	05/08/1998	ECTRP06	Diatom	Synedra sp.	61.98
Triangle Pond	05/08/1998	ECTRP06	Diatom	Rhizosolenia sp.	185.95
Triangle Pond	05/08/1998	ECTRP06	Chrysophyta	Bitrichia spp.	61.98
Triangle Pond	05/08/1998	ECTRP06	Cryptophyta	Chroomonas sp.	61.98
Triangle Pond	05/08/1998	ECTRP06	Chrysophyta	Chrysomonadales	61.98
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	743.79
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	61.98
Triangle Pond	05/08/1998	ECTRP06	Indeterminate	Indeterminate	805.77

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	433.88
Triangle Pond	05/08/1998	ECTRP06	Diatom	Nitzschia palea	61.98
Triangle Pond	05/08/1998	ECTRP06	Chlorophyta	Oocystis sp.	123.96
Triangle Pond	05/08/1998	ECTRP06	Diatom	Rhizosolenia sp.	125.21
Triangle Pond	06/15/1998	ECTRP01	Cryptophyta	Chroomonas sp.	14.69
Triangle Pond	06/15/1998	ECTRP01	Cryptophyta	Chroomonas sp.	21.25
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus limneticus	117.54
Triangle Pond	06/15/1998	ECTRP01	Diatom	Bacillariophyta	426.09
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus sp.	1821.90
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	191.01
Triangle Pond	06/15/1998	ECTRP01	Diatom	innularia mesogongyla mesogongyl	14.69
Triangle Pond	06/15/1998	ECTRP01	Diatom	Rhizosolenia sp.	29.39
Triangle Pond	06/15/1998	ECTRP01	Chrysophyta	Uroglenopsis americana	42.35
Triangle Pond	06/15/1998	ECTRP01	Chrysophyta	Uroglenopsis americana	44.08
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Tetrasporales	21.17
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	21.25
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Aphanocapsa sp.	276.20
Triangle Pond	06/15/1998	ECTRP01	Diatom	Bacillariophyta	180.59
Triangle Pond	06/15/1998	ECTRP01	Chrysophyta	Bitrichia spp.	31.87
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus limneticus	84.98
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus sp.	1327.86
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Tetrasporales	14.69
Triangle Pond	06/15/1998	ECTRP01	Diatom	Bacillariophyta	148.22
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Indeterminate Chlorophyta	74.36
Triangle Pond	06/15/1998	ECTRP01	Indeterminate	Indeterminate protozoan	10.62
Triangle Pond	06/15/1998	ECTRP01	Chrysophyta	Mallomonas sp.	10.62
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Merismopedia sp.	339.93
Triangle Pond	06/15/1998	ECTRP01	Diatom	Rhizosolenia sp.	10.62
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Aphanocapsa sp.	191.01
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Aphanocapsa sp.	338.79
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	95.61
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus limneticus	254.09

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/15/1998	ECTRP01	Cyanophyta	Chroococcus sp.	2837.33
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	148.22
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	148.22
Triangle Pond	06/15/1998	ECTRP01	Diatom	Eunotia incisa	21.17
Triangle Pond	06/15/1998	ECTRP01	Chrysophyta	Indeterminate Chrysophyta	21.17
Triangle Pond	06/15/1998	ECTRP01	Indeterminate	Indeterminate protozoan	21.17
Triangle Pond	06/15/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	127.04
Triangle Pond	06/15/1998	ECTRP04	Diatom	Asterionella formosa	31.43
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Quadrigula sp.	25.41
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Chroococcus sp.	3676.85
Triangle Pond	06/15/1998	ECTRP04	Cryptophyta	Chroomonas sp.	94.28
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Bitrichia spp.	31.43
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	62.85
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Uroglenopsis americana	76.23
Triangle Pond	06/15/1998	ECTRP04	Euglenophyta	Trachelomonas sp.	25.41
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Tetrasporales	76.23
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Elakatothrix gelatinosa	282.83
Triangle Pond	06/15/1998	ECTRP04	Diatom	Stephanodiscus dubius	25.41
Triangle Pond	06/15/1998	ECTRP04	Indeterminate	Indeterminate	31.43
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Ochromonas sp.	25.41
Triangle Pond	06/15/1998	ECTRP04	Diatom	Nitzschia acicularis	25.41
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	76.23
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Elakatothrix gelatinosa	127.04
Triangle Pond	06/15/1998	ECTRP04	Cryptophyta	Chroomonas sp.	101.64
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Chroococcus sp.	2769.57
Triangle Pond	06/15/1998	ECTRP04	Diatom	Asterionella formosa	101.64
Triangle Pond	06/15/1998	ECTRP04	Diatom	Synedra sp.	25.41
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Uroglenopsis americana	188.56
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	192.68
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	103.75
Triangle Pond	06/15/1998	ECTRP04	Cryptophyta	Cryptomonas sp.	44.47
Triangle Pond	06/15/1998	ECTRP04	Cryptophyta	Chroomonas sp.	74.11

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Chroococcus sp.	1867.55
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Chroococcus limneticus elegans	133.40
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Chroococcus limneticus	163.04
Triangle Pond	06/15/1998	ECTRP04	Diatom	Bacillariophyta	266.79
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Crucigenia sp.	157.13
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	14.82
Triangle Pond	06/15/1998	ECTRP04	Diatom	Rhizosolenia sp.	118.57
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Tetrasporales	314.26
Triangle Pond	06/15/1998	ECTRP04	Diatom	Stephanodiscus dubius	62.85
Triangle Pond	06/15/1998	ECTRP04	Diatom	Rhizosolenia sp.	62.85
Triangle Pond	06/15/1998	ECTRP04	Chlorophyta	Quadrigula sp.	31.43
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	1005.63
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Mallomonas sp.	31.43
Triangle Pond	06/15/1998	ECTRP04	Chrysophyta	Indeterminate Chrysophyta	31.43
Triangle Pond	06/15/1998	ECTRP04	Cyanophyta	Aphanocapsa sp.	755.91
Triangle Pond	06/15/1998	ECTRP05	Chrysophyta	Indeterminate Chrysophyta	66.41
Triangle Pond	06/15/1998	ECTRP05	Cyanophyta	Chroococcus limneticus	698.74
Triangle Pond	06/15/1998	ECTRP05	Euglenophyta	Trachelomonas sp.	127.04
Triangle Pond	06/15/1998	ECTRP05	Diatom	Synedra sp.	63.52
Triangle Pond	06/15/1998	ECTRP05	Diatom	Stephanodiscus dubius	63.52
Triangle Pond	06/15/1998	ECTRP05	Diatom	Rhizosolenia sp.	317.61
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Quadrigula sp.	63.52
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Oocystis sp.	508.18
Triangle Pond	06/15/1998	ECTRP05	Indeterminate	Indeterminate	381.13
Triangle Pond	06/15/1998	ECTRP05	Phyrrhophyta	Gymnodinium sp.	63.52
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	63.52
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Elakatothrix gelatinosa	825.79
Triangle Pond	06/15/1998	ECTRP05	Diatom	Achnanthes sp.	66.41
Triangle Pond	06/15/1998	ECTRP05	Cyanophyta	Chroococcus sp.	6479.27
Triangle Pond	06/15/1998	ECTRP05	Euglenophyta	Trachelomonas sp.	84.52
Triangle Pond	06/15/1998	ECTRP05	Chrysophyta	Bitrichia spp.	63.52
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Tetrasporales	253.56

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/15/1998	ECTRP05	Diatom	Synedra sp.	169.04
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Quadrigula sp.	338.09
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Oocystis sp.	84.52
Triangle Pond	06/15/1998	ECTRP05	Indeterminate	Indeterminate	507.13
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Elakatothrix gelatinosa	422.61
Triangle Pond	06/15/1998	ECTRP05	Cryptophyta	Cryptomonas sp.	169.04
Triangle Pond	06/15/1998	ECTRP05	Cryptophyta	Chroomonas sp.	84.52
Triangle Pond	06/15/1998	ECTRP05	Cyanophyta	Chroococcus sp.	8874.74
Triangle Pond	06/15/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	1726.65
Triangle Pond	06/15/1998	ECTRP05	Cryptophyta	Chroomonas sp.	317.61
Triangle Pond	06/15/1998	ECTRP05	Diatom	Synedra sp.	199.23
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Tetraedron minimum	84.52
Triangle Pond	06/15/1998	ECTRP05	Cyanophyta	Chroococcus sp.	7371.47
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Tetrasporales	132.82
Triangle Pond	06/15/1998	ECTRP05	Diatom	Stephanodiscus sp.	66.41
Triangle Pond	06/15/1998	ECTRP05	Diatom	Rhizosolenia sp.	132.82
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Oocystis sp.	132.82
Triangle Pond	06/15/1998	ECTRP05	Diatom	Navicula sp.	66.41
Triangle Pond	06/15/1998	ECTRP05	Chrysophyta	Mallomonas sp.	199.23
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	66.41
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Elakatothrix gelatinosa	199.23
Triangle Pond	06/15/1998	ECTRP05	Chlorophyta	Crucigenia sp.	265.64
Triangle Pond	06/15/1998	ECTRP05	Cryptophyta	Chroomonas sp.	132.82
Triangle Pond	06/15/1998	ECTRP05	Euglenophyta	Trachelomonas sp.	199.23
Triangle Pond	06/15/1998	ECTRP06	Chrysophyta	Uroglenopsis sp.	41.54
Triangle Pond	06/15/1998	ECTRP06	Chrysophyta	Uroglenopsis americana	45.25
Triangle Pond	06/15/1998	ECTRP06	Cryptophyta	Chroomonas sp.	69.23
Triangle Pond	06/15/1998	ECTRP06	Chrysophyta	Bitrichia spp.	75.42
Triangle Pond	06/15/1998	ECTRP06	Diatom	Bacillariophyta	301.69
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Aphanocapsa sp.	241.35
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Ankistrodesmus falcatus	15.08
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	221.52

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Tetrasporales	15.08
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Tetraedron sp.	15.08
Triangle Pond	06/15/1998	ECTRP06	Diatom	Eunotia incisa	13.85
Triangle Pond	06/15/1998	ECTRP06	Indeterminate	Indeterminate	27.69
Triangle Pond	06/15/1998	ECTRP06	Chrysophyta	Indeterminate Chrysophyta	13.85
Triangle Pond	06/15/1998	ECTRP06	Chrysophyta	Uroglenopsis americana	124.61
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Aphanocapsa sp.	276.90
Triangle Pond	06/15/1998	ECTRP06	Diatom	Eunotia incisa	105.59
Triangle Pond	06/15/1998	ECTRP06	Indeterminate	Indeterminate protozoan	13.85
Triangle Pond	06/15/1998	ECTRP06	Diatom	Stephanodiscus dubius	84.70
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Chroococcus sp.	4362.01
Triangle Pond	06/15/1998	ECTRP06	Cryptophyta	Chroomonas sp.	84.70
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Elakatothrix gelatinosa	84.70
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	331.86
Triangle Pond	06/15/1998	ECTRP06	Indeterminate	Indeterminate	338.80
Triangle Pond	06/15/1998	ECTRP06	Cryptophyta	Chroomonas sp.	90.51
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Chroococcus limneticus	138.45
Triangle Pond	06/15/1998	ECTRP06	Diatom	Rhizosolenia sp.	84.70
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Chroococcus limneticus	15.08
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Tetrasporales	84.70
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Elakatothrix gelatinosa	13.85
Triangle Pond	06/15/1998	ECTRP06	Diatom	Bacillariophyta	221.52
Triangle Pond	06/15/1998	ECTRP06	Diatom	Rhizosolenia sp.	15.08
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Chroococcus sp.	2173.67
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Eudorina sp.	27.69
Triangle Pond	06/15/1998	ECTRP06	Cyanophyta	Chroococcus sp.	2066.58
Triangle Pond	06/15/1998	ECTRP06	Chlorophyta	Oocystis sp.	169.40
Triangle Pond	06/16/1998	ECTRP03	Diatom	Rhizosolenia sp.	51.65
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Quadrigula sp.	464.87
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Oocystis sp.	154.96
Triangle Pond	06/16/1998	ECTRP03	Chrysophyta	Mallomonas sp.	51.65
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	154.96

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	258.26
Triangle Pond	06/16/1998	ECTRP03	Diatom	Cymbella sp.	51.65
Triangle Pond	06/16/1998	ECTRP03	Cyanophyta	Chroococcus sp.	5939.97
Triangle Pond	06/16/1998	ECTRP03	Cyanophyta	Chroococcus limneticus	258.26
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Sphaerocystis sp.	258.26
Triangle Pond	06/16/1998	ECTRP03	Diatom	Rhizosolenia sp.	81.17
Triangle Pond	06/16/1998	ECTRP03	Cryptophyta	Chroomonas sp.	51.65
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Tetrasporales	185.95
Triangle Pond	06/16/1998	ECTRP03	Euglenophyta	Trachelomonas sp.	81.17
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Tetrasporales	121.75
Triangle Pond	06/16/1998	ECTRP03	Diatom	Stephanodiscus dubius	40.58
Triangle Pond	06/16/1998	ECTRP03	Diatom	Navicula sp.	40.58
Triangle Pond	06/16/1998	ECTRP03	Indeterminate	Indeterminate	40.58
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Gloeocystis planctonica	162.33
Triangle Pond	06/16/1998	ECTRP03	Phyrrhophyta	Glenodinium sp.	40.58
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	527.59
Triangle Pond	06/16/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	121.75
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Cosmarium sp.	40.58
Triangle Pond	06/16/1998	ECTRP03	Cryptophyta	Chroomonas sp.	121.75
Triangle Pond	06/16/1998	ECTRP03	Chrysophyta	Mallomonas sp.	40.58
Triangle Pond	06/16/1998	ECTRP03	Cyanophyta	Chroococcus limneticus	162.33
Triangle Pond	06/16/1998	ECTRP03	Diatom	Stephanodiscus dubius	51.65
Triangle Pond	06/16/1998	ECTRP03	Diatom	Stephanodiscus dubius	232.43
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Oocystis sp.	325.41
Triangle Pond	06/16/1998	ECTRP03	Diatom	Navicula sp.	46.49
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	46.49
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	185.95
Triangle Pond	06/16/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	46.49
Triangle Pond	06/16/1998	ECTRP03	Cryptophyta	Chroomonas sp.	46.49
Triangle Pond	06/16/1998	ECTRP03	Cyanophyta	Chroococcus sp.	4974.08
Triangle Pond	06/16/1998	ECTRP03	Diatom	Bacillariophyta	46.49
Triangle Pond	06/16/1998	ECTRP03	Chrysophyta	Uroglenopsis americana	51.65

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	06/16/1998	ECTRP03	Chlorophyta	Tetrasporales	206.61
Triangle Pond	06/16/1998	ECTRP03	Diatom	Synedra sp.	154.96
Triangle Pond	06/16/1998	ECTRP03	Cyanophyta	Chroococcus sp.	4423.62
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis planctonica	1849.77
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	592.87
Triangle Pond	08/03/1998	ECTRP01	Diatom	Synedra sp.	71.14
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Scenedesmus quadricauda	71.14
Triangle Pond	08/03/1998	ECTRP01	Diatom	Rhizosolenia sp.	142.29
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Quadrigula sp.	106.72
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Oocystis sp.	142.29
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	3557.25
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Mallomonas sp.	71.14
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Indeterminate Chrysophyta	106.72
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Aphanizomenon flos-aquae	355.72
Triangle Pond	08/03/1998	ECTRP01	Indeterminate	Indeterminate	1671.91
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis sp.	1387.33
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon Tabelariae	35.57
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon sp.	35.57
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon bavaricum	35.57
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Cryptomonas ovata	35.57
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Chroomonas sp.	71.14
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Chroococcus sp.	782.59
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Chroococcus limneticus elegans	142.29
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	320.15
Triangle Pond	08/03/1998	ECTRP01	Phyrrhophyta	Glenodinium sp.	38.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	77.48
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Indeterminate Chlorophyta	569.16
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Chroococcus sp.	1433.34
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon sociale	116.22
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon sertularia	38.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	35.57
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Chroococcus sp.	889.31

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Dictyosphaerium sp.	154.96
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Cryptomonas sp.	38.74
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Cryptomonas ovata	77.48
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Chroomonas sp.	77.48
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Arthrodesmus incus	38.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	348.65
Triangle Pond	08/03/1998	ECTRP01	Diatom	Synedra sp.	59.29
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis sp.	1363.61
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Dinobryon sp.	59.29
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Elakatothrix gelatinosa	177.86
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Crucigenia rectangularis	38.74
Triangle Pond	08/03/1998	ECTRP01	Diatom	Rhizosolenia sp.	296.44
Triangle Pond	08/03/1998	ECTRP01	Phyrrhophyta	Glenodinium sp.	118.57
Triangle Pond	08/03/1998	ECTRP01	Cryptophyta	Cryptomonas sp.	118.57
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis planctonica	1422.90
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	59.29
Triangle Pond	08/03/1998	ECTRP01	Indeterminate	Indeterminate	770.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Indeterminate Chlorophyta	533.59
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	6165.89
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Oocystis sp.	237.15
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis planctonica	1743.25
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Uroglenopsis americana	38.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Tetraedron minimum	38.74
Triangle Pond	08/03/1998	ECTRP01	Diatom	Tabellaria sp.	38.74
Triangle Pond	08/03/1998	ECTRP01	Diatom	Synedra sp.	232.43
Triangle Pond	08/03/1998	ECTRP01	Diatom	Stephanodiscus dubius	116.22
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Staurostrum curvatum elongatum	38.74
Triangle Pond	08/03/1998	ECTRP01	Diatom	Navicula pupula	38.74
Triangle Pond	08/03/1998	ECTRP01	Diatom	Rhizosolenia sp.	154.96
Triangle Pond	08/03/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	4028.85
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Mallomonas sp.	38.74
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Indeterminate Chlorophyta	852.26

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/03/1998	ECTRP01	Indeterminate	Indeterminate	1200.91
Triangle Pond	08/03/1998	ECTRP01	Phyrrrophyta	Gymnodinium sp.	77.48
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Gloeocystis sp.	891.00
Triangle Pond	08/03/1998	ECTRP01	Chlorophyta	Quadrigula sp.	154.96
Triangle Pond	08/03/1998	ECTRP01	Chrysophyta	Ophiocytium sp.	38.74
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Indeterminate Chrysophyta	226.27
Triangle Pond	08/03/1998	ECTRP04	Diatom	Synedra sp.	75.42
Triangle Pond	08/03/1998	ECTRP04	Diatom	Stephanodiscus dubius	75.42
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Scenedesmus quadricauda	301.69
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Scenedesmus arcuatus	150.85
Triangle Pond	08/03/1998	ECTRP04	Diatom	Rhizosolenia sp.	75.42
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Quadrigula sp.	150.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Oocystis sp.	301.69
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Tetraedron caudatum	75.42
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	8145.64
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Dinobryon sp.	102.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Indeterminate Chlorophyta	452.54
Triangle Pond	08/03/1998	ECTRP04	Indeterminate	Indeterminate	905.07
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Gloeocystis sp.	905.07
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Mougeotia sp.	226.27
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Oocystis sp.	411.40
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Tetraedron sp.	308.55
Triangle Pond	08/03/1998	ECTRP04	Diatom	Synedra sp.	102.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Gloeocystis planctonica	1131.34
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Sphaerocystis sp.	925.64
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Pediastrum tetras	327.27
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Chroococcus sp.	4628.21
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Quadrigula sp.	102.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Tetraedron sp.	75.42
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	12341.88
Triangle Pond	08/03/1998	ECTRP04	Indeterminate	Indeterminate	1954.13
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Gloeocystis planctonica	2879.77

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/03/1998	ECTRP04	Cryptophyta	Cryptomonas sp.	102.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Arthrodesmus incus	102.85
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	308.55
Triangle Pond	08/03/1998	ECTRP04	Diatom	Rhizosolenia sp.	205.70
Triangle Pond	08/03/1998	ECTRP04	Cryptophyta	Cryptomonas ovata	40.91
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Indeterminate Chlorophyta	409.08
Triangle Pond	08/03/1998	ECTRP04	Indeterminate	Indeterminate	777.26
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Gloeocystis sp.	777.26
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Gloeocystis planctonica	981.80
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Elakatothrix gelatinosa	163.63
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Dinobryon sp.	40.91
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Indeterminate Chrysophyta	40.91
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Dictyosphaerium sp.	368.18
Triangle Pond	08/03/1998	ECTRP04	Diatom	Bacillariophyta	40.91
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Coelosphaerium kuetzingianum	327.27
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Chroococcus sp.	1186.34
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Arthrodesmus incus	40.91
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	409.08
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Elakatothrix gelatinosa	452.54
Triangle Pond	08/03/1998	ECTRP04	Diatom	Rhizosolenia sp.	122.72
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Dinobryon sociale	204.54
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Chroococcus sp.	1885.57
Triangle Pond	08/03/1998	ECTRP04	Cryptophyta	Cryptomonas sp.	75.42
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Aphanizomenon flos-aquae	286.36
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Mallomonas sp.	40.91
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Dinobryon sociale	75.42
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Cosmarium sp.	75.42
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Arthrodesmus crassus	75.42
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Ankistrodesmus falcatus	226.27
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Tetraedron sp.	40.91
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Scenedesmus arcuatus	163.63
Triangle Pond	08/03/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	4254.47

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Quadrigula sp.	204.54
Triangle Pond	08/03/1998	ECTRP04	Chlorophyta	Oocystis sp.	122.72
Triangle Pond	08/03/1998	ECTRP04	Diatom	Synedra sp.	327.27
Triangle Pond	08/03/1998	ECTRP04	Chrysophyta	Ophiocytium sp.	122.72
Triangle Pond	08/03/1998	ECTRP05	Diatom	Synedra sp.	55.09
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Ankistrodesmus falcatus	166.75
Triangle Pond	08/03/1998	ECTRP05	Diatom	Rhizosolenia sp.	13.77
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Oocystis sp.	27.55
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Arthrodesmus incus	55.58
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Tetrasporales	82.64
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Chroococcus sp.	1222.80
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Chroomonas sp.	55.58
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Cryptomonas ovata	111.16
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Mougeotia sp.	13.77
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Aphanocapsa sp.	385.64
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Dinobryon bavaricum	55.58
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Dinobryon sp.	111.16
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Crucigenia tetrapedia	222.33
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	330.55
Triangle Pond	08/03/1998	ECTRP05	Diatom	Indeterminate Bacillariophyta	41.32
Triangle Pond	08/03/1998	ECTRP05	Indeterminate	Indeterminate	413.18
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis planctonica	702.41
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis gigas	165.27
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis ampla	165.27
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Dinobryon sp.	13.77
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Cryptophyta	13.77
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Chroomonas sp.	41.32
Triangle Pond	08/03/1998	ECTRP05	Diatom	Bacillariophyta	27.55
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Ankistrodesmus falcatus	13.77
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis planctonica	2223.28
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Oocystis sp.	84.70
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Chroococcus sp.	702.41

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Chroococcus sp.	1228.10
Triangle Pond	08/03/1998	ECTRP05	Diatom	Synedra sp.	254.09
Triangle Pond	08/03/1998	ECTRP05	Diatom	Stephanodiscus dubius	211.74
Triangle Pond	08/03/1998	ECTRP05	Diatom	Rhizosolenia sp.	338.79
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Quadrigula sp.	169.39
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	4743.00
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Indeterminate Chrysophyta	127.04
Triangle Pond	08/03/1998	ECTRP05	Indeterminate	Indeterminate	2540.89
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis sp.	1820.97
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis planctonica	1778.62
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Elakatothrix viridis	42.35
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Elakatothrix gelatinosa	84.70
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Dinobryon sp.	42.35
Triangle Pond	08/03/1998	ECTRP05	Chrysophyta	Mallomonas sp.	169.39
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Chroomonas sp.	127.04
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Gloeocystis sp.	2890.26
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Chroococcus limneticus elegans	211.74
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Aphanizomenon flos-aquae	338.79
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Ankistrodesmus falcatus	338.79
Triangle Pond	08/03/1998	ECTRP05	Diatom	Tabellaria sp.	55.58
Triangle Pond	08/03/1998	ECTRP05	Diatom	Synedra sp.	333.49
Triangle Pond	08/03/1998	ECTRP05	Diatom	Rhizosolenia sp.	222.33
Triangle Pond	08/03/1998	ECTRP05	Diatom	Navicula sp.	55.58
Triangle Pond	08/03/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	6669.84
Triangle Pond	08/03/1998	ECTRP05	Chlorophyta	Indeterminate Chlorophyta	111.16
Triangle Pond	08/03/1998	ECTRP05	Diatom	Indeterminate Bacillariophyta	222.33
Triangle Pond	08/03/1998	ECTRP05	Indeterminate	Indeterminate	555.82
Triangle Pond	08/03/1998	ECTRP05	Cryptophyta	Cryptomonas ovata	84.70
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Chroococcus sp.	4648.33
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Quadrigula sp.	159.99
Triangle Pond	08/04/1998	ECTRP03	Diatom	Synedra sp.	319.97
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Tetraedron sp.	79.99

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Tetrasporales	559.96
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Dinobryon sp.	86.08
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Ankistrodesmus falcatus	258.24
Triangle Pond	08/04/1998	ECTRP03	Cryptophyta	Cryptomonas ovata	86.08
Triangle Pond	08/04/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	86.08
Triangle Pond	08/04/1998	ECTRP03	Indeterminate	Indeterminate	1721.60
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Gloeocystis sp.	639.95
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	172.16
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Gloeocystis planctonica	2410.24
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Uroglenopsis americana	79.99
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Mougeotia sp.	159.99
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	9599.24
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Indeterminate Chrysophyta	159.99
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	639.95
Triangle Pond	08/04/1998	ECTRP03	Phyrrrophyta	Gymnodinium sp.	79.99
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Gloeocystis planctonica	1599.87
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	479.96
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Dinobryon sp.	79.99
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Dinobryon sociale	79.99
Triangle Pond	08/04/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	79.99
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	344.32
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Gloeocystis planctonica	1759.86
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Chroococcus sp.	7199.43
Triangle Pond	08/04/1998	ECTRP03	Cryptophyta	Chroomonas sp.	79.99
Triangle Pond	08/04/1998	ECTRP03	Indeterminate	Indeterminate	2079.84
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Dinobryon sociale	73.33
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Arthrodesmus incus	79.99
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Ankistrodesmus falcatus	1199.91
Triangle Pond	08/04/1998	ECTRP03	Euglenophyta	Trachelomonas sp.	73.33
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Tetrasporales	219.98
Triangle Pond	08/04/1998	ECTRP03	Diatom	Synedra sp.	513.29
Triangle Pond	08/04/1998	ECTRP03	Diatom	Rhizosolenia sp.	439.97

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Quadrigula sp.	146.66
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	4986.27
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Mallomonas sp.	146.66
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	73.33
Triangle Pond	08/04/1998	ECTRP03	Indeterminate	Indeterminate	1246.57
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Elakatothrix gelatinosa	146.66
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	146.66
Triangle Pond	08/04/1998	ECTRP03	Diatom	Tabellaria sp.	430.40
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	9985.30
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Oocystis sp.	516.48
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Quadrigula sp.	258.24
Triangle Pond	08/04/1998	ECTRP03	Diatom	Rhizosolenia sp.	344.32
Triangle Pond	08/04/1998	ECTRP03	Phyrrhophyta	Gymnodinium sp.	73.33
Triangle Pond	08/04/1998	ECTRP03	Diatom	Synedra sp.	172.16
Triangle Pond	08/04/1998	ECTRP03	Chrysophyta	Indeterminate Chrysophyta	86.08
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Tetraedron sp.	86.08
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Tetrasporales	1032.96
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Ankistrodesmus falcatus	219.98
Triangle Pond	08/04/1998	ECTRP03	Diatom	Asterionella formosa	73.33
Triangle Pond	08/04/1998	ECTRP03	Cyanophyta	Chroococcus sp.	7699.39
Triangle Pond	08/04/1998	ECTRP03	Cryptophyta	Chroomonas sp.	146.66
Triangle Pond	08/04/1998	ECTRP03	Chlorophyta	Spondylosium sp.	86.08
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	80.85
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Ankistrodesmus falcatus	194.80
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Chroomonas sp.	107.80
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Cryptomonas sp.	175.32
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Cryptomonas ovata	38.96
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Chroomonas sp.	155.84
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Chroococcus sp.	1928.54
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Chroococcus limneticus elegans	19.48
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Bitrichia spp.	19.48
Triangle Pond	08/04/1998	ECTRP06	Euglenophyta	Euglena elongata	19.48

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Arthrodesmus incus	19.48
Triangle Pond	08/04/1998	ECTRP06	Diatom	Eunotia incisa	19.48
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetrasporales	232.43
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetraedron sp.	25.83
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetraedron caudatum	25.83
Triangle Pond	08/04/1998	ECTRP06	Diatom	Synedra sp.	103.30
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Spondylosium sp.	25.83
Triangle Pond	08/04/1998	ECTRP06	Diatom	Rhizosolenia sp.	154.96
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Pediastrum tetras	103.30
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Ophiocytium sp.	25.83
Triangle Pond	08/04/1998	ECTRP06	Diatom	Asterionella formosa	77.92
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Oocystis sp.	136.36
Triangle Pond	08/04/1998	ECTRP06	Euglenophyta	Trachelomonas sp.	77.92
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetrasporales	77.92
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetraedron sp.	19.48
Triangle Pond	08/04/1998	ECTRP06	Diatom	Tabellaria sp.	116.88
Triangle Pond	08/04/1998	ECTRP06	Diatom	Synedra sp.	58.44
Triangle Pond	08/04/1998	ECTRP06	Diatom	Stephanodiscus dubius	38.96
Triangle Pond	08/04/1998	ECTRP06	Diatom	Rhizosolenia sp.	38.96
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Dinobryon sociale	19.48
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Ophiocytium sp.	19.48
Triangle Pond	08/04/1998	ECTRP06	Diatom	Nitzschia acicularis	25.83
Triangle Pond	08/04/1998	ECTRP06	Diatom	Nitzschia palea	19.48
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	857.13
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Mallomonas sp.	58.44
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Indeterminate Chrysophyta	58.44
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	97.40
Triangle Pond	08/04/1998	ECTRP06	Indeterminate	Indeterminate	935.05
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis sp.	116.88
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis planctonica	662.33
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Quadrigula sp.	38.96
Triangle Pond	08/04/1998	ECTRP06	Indeterminate	Indeterminate	619.82

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetraedron sp.	53.90
Triangle Pond	08/04/1998	ECTRP06	Diatom	Synedra sp.	53.90
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Spondylosium sp.	26.95
Triangle Pond	08/04/1998	ECTRP06	Diatom	Rhizosolenia sp.	161.69
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Quadrigula sp.	134.74
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Ochromonas sp.	26.95
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	2694.88
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Oocystis sp.	51.65
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	161.69
Triangle Pond	08/04/1998	ECTRP06	Diatom	Asterionella formosa	51.65
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis sp.	485.08
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis planctonica	2371.50
Triangle Pond	08/04/1998	ECTRP06	Phyrrrophyta	Glenodinium sp.	26.95
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Dinobryon sp.	80.85
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Dinobryon sociale	134.74
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Cryptomonas ovata	53.90
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Chroococcus sp.	1536.08
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Arthrodesmus incus	26.95
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Mallomonas sp.	53.90
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Dinobryon sp.	103.30
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Ankistrodesmus falcatus	188.64
Triangle Pond	08/04/1998	ECTRP06	Diatom	Navicula linearis	25.83
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	1962.77
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Mallomonas sp.	77.48
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Indeterminate Chrysophyta	25.83
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	180.78
Triangle Pond	08/04/1998	ECTRP06	Indeterminate	Indeterminate	439.04
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis sp.	335.74
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Tetrasporales	269.49
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	25.83
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Ankistrodesmus falcatus	103.30
Triangle Pond	08/04/1998	ECTRP06	Chrysophyta	Dinobryon sociale	51.65

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	103.30
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Cryptomonas sp.	25.83
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Cryptomonas ovata	25.83
Triangle Pond	08/04/1998	ECTRP06	Cryptophyta	Chroomonas sp.	77.48
Triangle Pond	08/04/1998	ECTRP06	Cyanophyta	Chroococcus sp.	2763.38
Triangle Pond	08/04/1998	ECTRP06	Diatom	Bacillariophyta	77.48
Triangle Pond	08/04/1998	ECTRP06	Diatom	Nitzschia palea	25.83
Triangle Pond	08/04/1998	ECTRP06	Chlorophyta	Gloeocystis planctonica	1446.25
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Dictyosphaerium sp.	11720.68
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Golenkinia sp.	133.69
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Volvocales	3074.81
Triangle Pond	09/21/1998	ECTRP01	Chrysophyta	Dinobryon sociale	133.69
Triangle Pond	09/21/1998	ECTRP01	Cryptophyta	Chroomonas sp.	401.06
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Chroococcus sp.	5213.81
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	16042.48
Triangle Pond	09/21/1998	ECTRP01	Indeterminate	Indeterminate	2005.31
Triangle Pond	09/21/1998	ECTRP01	Diatom	Melosira sp.	267.37
Triangle Pond	09/21/1998	ECTRP01	Diatom	Rhizosolenia sp.	668.44
Triangle Pond	09/21/1998	ECTRP01	Diatom	Synedra sp.	133.69
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	267.37
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Tetrasporales	534.75
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	133.69
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Gloeocystis planctonica	1069.50
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Selenastrum minutum	534.75
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Spondylosium sp.	401.06
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Tetrasporales	534.75
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Volvocales	1871.62
Triangle Pond	09/21/1998	ECTRP01	Chrysophyta	Bitrichia spp.	133.69
Triangle Pond	09/21/1998	ECTRP01	Chrysophyta	Dinobryon sociale	133.69
Triangle Pond	09/21/1998	ECTRP01	Cryptophyta	Cryptomonas ovata	133.69
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Chroococcus sp.	4679.06
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	13903.49

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/21/1998	ECTRP01	Diatom	Tabellaria sp.	527.96
Triangle Pond	09/21/1998	ECTRP01	Diatom	Rhizosolenia sp.	1161.51
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Dictyosphaerium sp.	7486.49
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Tetraedron sp.	105.59
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Oocystis sp.	1604.25
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Spondylosium sp.	401.06
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Crucigenia tetrapedia	105.59
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Gloeocystis planctonica	844.73
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Gloeocystis sp.	844.73
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Golenkinia sp.	105.59
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Nephrocytium limneticum	422.37
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Spondylosium sp.	422.37
Triangle Pond	09/21/1998	ECTRP01	Diatom	Synedra sp.	527.96
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Tetrasporales	211.18
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Volvocales	2111.83
Triangle Pond	09/21/1998	ECTRP01	Cryptophyta	Cryptomonas sp.	105.59
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Franceia droescheri	133.69
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Scenedesmus bijuga	534.75
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Oocystis sp.	1267.10
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Mougeotia sp.	1336.87
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Elakatothrix viridis	133.69
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Dictyosphaerium sp.	4278.00
Triangle Pond	09/21/1998	ECTRP01	Chlorophyta	Ankistrodesmus falcatus	133.69
Triangle Pond	09/21/1998	ECTRP01	Diatom	Synedra sp.	267.37
Triangle Pond	09/21/1998	ECTRP01	Diatom	Rhizosolenia sp.	668.44
Triangle Pond	09/21/1998	ECTRP01	Phyrrhophyta	Glenodinium sp.	105.59
Triangle Pond	09/21/1998	ECTRP01	Indeterminate	Indeterminate	1267.10
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Merismopedia tenuissima	8024.97
Triangle Pond	09/21/1998	ECTRP01	Cyanophyta	Chroococcus sp.	4012.48
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	9404.26
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Golenkinia sp.	179.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Gloeocystis sp.	899.93

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Dictyosphaerium sp.	7739.39
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Ankistrodesmus falcatus	179.99
Triangle Pond	09/21/1998	ECTRP05	Diatom	Tabellaria sp.	179.99
Triangle Pond	09/21/1998	ECTRP05	Diatom	Synedra sp.	89.99
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Chroococcus sp.	4207.17
Triangle Pond	09/21/1998	ECTRP05	Indeterminate	Indeterminate	1113.66
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Mougeotia sp.	1439.89
Triangle Pond	09/21/1998	ECTRP05	Diatom	Rhizosolenia sp.	879.93
Triangle Pond	09/21/1998	ECTRP05	Diatom	Synedra sp.	263.98
Triangle Pond	09/21/1998	ECTRP05	Diatom	Rhizosolenia sp.	719.94
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Oocystis sp.	89.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Quadrigula sp.	89.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Spondylosium sp.	179.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Tetrasporales	449.96
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Treubaria setigerum	89.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Volvocales	449.96
Triangle Pond	09/21/1998	ECTRP05	Chrysophyta	Dinobryon sertularia	89.99
Triangle Pond	09/21/1998	ECTRP05	Cryptophyta	Chroomonas sp.	269.98
Triangle Pond	09/21/1998	ECTRP05	Cryptophyta	Cryptomonas sp.	89.99
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Chroococcus sp.	3419.73
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	8999.29
Triangle Pond	09/21/1998	ECTRP05	Cryptophyta	Cryptomonas ovata	247.48
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Ankistrodesmus falcatus	351.97
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Mougeotia sp.	527.96
Triangle Pond	09/21/1998	ECTRP05	Indeterminate	Indeterminate	1259.90
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Spondylosium sp.	123.74
Triangle Pond	09/21/1998	ECTRP05	Chrysophyta	Ophiocytium sp.	123.74
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Gloeocystis sp.	615.95
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Dictyosphaerium sp.	8711.31
Triangle Pond	09/21/1998	ECTRP05	Cryptophyta	Chroomonas sp.	371.22
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Tetrasporales	494.96
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Staurostrum sp.	123.74

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Quadrigula sp.	371.22
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Oocystis sp.	2969.77
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Mougeotia sp.	866.18
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Indeterminate Chlorophyta	247.48
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Golenkinia sp.	123.74
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Gloeocystis sp.	123.74
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Gloeocystis planctonica	494.96
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Dictyosphaerium sp.	14230.13
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Spondylosium sp.	87.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Tetraedron sp.	123.74
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Oocystis sp.	263.98
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Golenkinia sp.	87.99
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Nephrocytium limneticum	87.99
Triangle Pond	09/21/1998	ECTRP05	Diatom	Synedra sp.	247.48
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Schizochlamys sp.	351.97
Triangle Pond	09/21/1998	ECTRP05	Chlorophyta	Staurostrum manfeldtii fluminense	87.99
Triangle Pond	09/21/1998	ECTRP05	Chrysophyta	Dinobryon sociale	87.99
Triangle Pond	09/21/1998	ECTRP05	Cryptophyta	Chroomonas sp.	175.99
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Chroococcus sp.	1055.92
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Merismopedia tenuissima	9855.22
Triangle Pond	09/21/1998	ECTRP05	Cyanophyta	Microcystis sp.	4399.65
Triangle Pond	09/21/1998	ECTRP05	Diatom	Rhizosolenia sp.	371.22
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Volvocales	894.87
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	11505.47
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Franceia droescheri	127.84
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Mougeotia sp.	1566.47
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Mougeotia sp.	255.68
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Oocystis sp.	127.84
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Schroederia setigera	383.52
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Tetrasporales	511.35
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Chroococcus sp.	4177.25
Triangle Pond	09/21/1998	ECTRP06	Cryptophyta	Cryptomonas ovata	255.68

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Spondylosium sp.	127.84
Triangle Pond	09/21/1998	ECTRP06	Diatom	Synedra sp.	127.84
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Oocystis sp.	1740.52
Triangle Pond	09/21/1998	ECTRP06	Diatom	Rhizosolenia sp.	639.19
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	20190.05
Triangle Pond	09/21/1998	ECTRP06	Chrysophyta	Bitrichia spp.	174.05
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Volvocales	1044.31
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Tetrasporales	348.10
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Tetraedron sp.	522.16
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Chroococcus sp.	4346.51
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Volvocales	1184.19
Triangle Pond	09/21/1998	ECTRP06	Indeterminate	Indeterminate	1044.31
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Oocystis sp.	538.27
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	174.05
Triangle Pond	09/21/1998	ECTRP06	Diatom	Rhizosolenia sp.	696.21
Triangle Pond	09/21/1998	ECTRP06	Diatom	Synedra sp.	174.05
Triangle Pond	09/21/1998	ECTRP06	Diatom	Tabellaria sp.	696.21
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	11313.39
Triangle Pond	09/21/1998	ECTRP06	Indeterminate	Indeterminate	1076.54
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	11195.96
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Chroococcus sp.	4521.45
Triangle Pond	09/21/1998	ECTRP06	Chrysophyta	Mallomonas sp.	215.31
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Spondylosium sp.	322.96
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Tetrasporales	968.88
Triangle Pond	09/21/1998	ECTRP06	Cyanophyta	Merismopedia tenuissima	15340.62
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Mougeotia sp.	215.31
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Indeterminate Chlorophyta	215.31
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Gloeocystis planctonica	430.61
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Elakatothrix viridis	107.65
Triangle Pond	09/21/1998	ECTRP06	Chlorophyta	Dictyosphaerium sp.	5920.94
Triangle Pond	09/21/1998	ECTRP06	Diatom	Tabellaria sp.	1507.15
Triangle Pond	09/21/1998	ECTRP06	Diatom	Synedra sp.	322.96

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/21/1998	ECTRP06	Diatom	Rhizosolenia sp.	753.57
Triangle Pond	09/21/1998	ECTRP06	Diatom	Bacillariophyta	215.31
Triangle Pond	09/21/1998	ECTRP06	Indeterminate	Indeterminate	1406.22
Triangle Pond	09/21/1998	ECTRP06	Chrysophyta	Bitrichia spp.	107.65
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Aphanocapsa sp.	1182.63
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Bitrichia spp.	43.51
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	18.18
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Dictyosphaerium sp.	963.78
Triangle Pond	09/22/1998	ECTRP03	Diatom	Tabellaria sp.	90.92
Triangle Pond	09/22/1998	ECTRP03	Diatom	Rhizosolenia sp.	181.85
Triangle Pond	09/22/1998	ECTRP03	Diatom	Bacillariophyta	54.55
Triangle Pond	09/22/1998	ECTRP03	Indeterminate	Indeterminate	319.10
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	2944.38
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus sp.	1479.44
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus limneticus	203.06
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Anabaena spp.	551.17
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	72.52
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Chroomonas sp.	261.08
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus sp.	718.02
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Indeterminate Chrysophyta	29.01
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Oocystis sp.	18.18
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Tetrasporales	14.50
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Selenastrum minutum	14.50
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Schizochlamys sp.	130.54
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Pediastrum tetras	58.02
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Oocystis sp.	14.50
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Mougeotia sp.	188.56
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	58.02
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	43.51
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Dictyosphaerium sp.	478.64
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Ankistrodesmus falcatus	14.50
Triangle Pond	09/22/1998	ECTRP03	Diatom	Tabellaria sp.	29.01

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/22/1998	ECTRP03	Diatom	Rhizosolenia sp.	145.04
Triangle Pond	09/22/1998	ECTRP03	Diatom	Bacillariophyta	72.52
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Mallomonas sp.	58.02
Triangle Pond	09/22/1998	ECTRP03	Diatom	Rhizosolenia sp.	211.18
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	2238.54
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus limneticus	295.66
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	21.12
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Chroomonas sp.	147.83
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Ophiocytium sp.	21.12
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Mallomonas sp.	21.12
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Chrysolykos planctonicus	42.24
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Schizochlamys sp.	232.30
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Mougeotia sp.	168.95
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	42.24
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Gloeocystis planctonica	84.47
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Elakatothrix viridis	63.36
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Indeterminate Chlorophyta	72.74
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Ankistrodesmus falcatus	126.71
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Chroomonas sp.	109.11
Triangle Pond	09/22/1998	ECTRP03	Indeterminate	Indeterminate	549.08
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Pediastrum tetras	72.74
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Schizochlamys sp.	72.74
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Chrysolykos planctonicus	18.18
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Dictyosphaerium sp.	781.38
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Mallomonas sp.	18.18
Triangle Pond	09/22/1998	ECTRP03	Chlorophyta	Mougeotia sp.	200.03
Triangle Pond	09/22/1998	ECTRP03	Cryptophyta	Cryptomonas sp.	72.74
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus limneticus	436.43
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Chroococcus sp.	509.17
Triangle Pond	09/22/1998	ECTRP03	Cyanophyta	Merismopedia tenuissima	3891.50
Triangle Pond	09/22/1998	ECTRP03	Indeterminate	Indeterminate	563.72
Triangle Pond	09/22/1998	ECTRP03	Diatom	Bacillariophyta	42.24

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/22/1998	ECTRP03	Chrysophyta	Indeterminate Chrysophyta	18.18
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Oocystis sp.	21.11
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Gloeocystis planctonica	253.30
Triangle Pond	09/22/1998	ECTRP04	Diatom	Bacillariophyta	21.11
Triangle Pond	09/22/1998	ECTRP04	Diatom	Rhizosolenia sp.	443.28
Triangle Pond	09/22/1998	ECTRP04	Diatom	Synedra sp.	147.76
Triangle Pond	09/22/1998	ECTRP04	Diatom	Tabellaria sp.	63.33
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Crucigenia rectangularis	42.22
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Dictyosphaerium sp.	823.23
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Mallomonas sp.	21.11
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Gloeocystis gigas	21.11
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus sp.	909.07
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Indeterminate Chlorophyta	63.33
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Kirchneriella lunaris	84.43
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Mougeotia sp.	189.98
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Schizochlamys sp.	211.09
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Bitrichia spp.	63.33
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Selenastrum minutum	42.22
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	42.22
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Mougeotia sp.	181.81
Triangle Pond	09/22/1998	ECTRP04	Diatom	Bacillariophyta	136.36
Triangle Pond	09/22/1998	ECTRP04	Diatom	Rhizosolenia sp.	409.08
Triangle Pond	09/22/1998	ECTRP04	Diatom	Synedra sp.	181.81
Triangle Pond	09/22/1998	ECTRP04	Diatom	Tabellaria sp.	90.91
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Dictyosphaerium sp.	1318.16
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	22.73
Triangle Pond	09/22/1998	ECTRP04	Indeterminate	Indeterminate	272.72
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Indeterminate Chlorophyta	90.91
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	3999.93
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Pediastrum tetras	90.91
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Schizochlamys sp.	90.91
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Selenastrum minutum	22.73

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Spondylosium sp.	90.91
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Chrysolykos planctonicus	45.45
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus limneticus	136.36
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Uroglenopsis americana	21.11
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Gloeocystis planctonica	90.91
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Chrysolykos planctonicus	19.08
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Schizochlamys sp.	228.96
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Selenastrum minutum	57.24
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Staurostrum sp.	19.08
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Tetraedron minimum	19.08
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Tetraspora lamellosa	19.08
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Tetrasporales	38.16
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Chrysolykos planctonicus	21.11
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Bitrichia spp.	38.16
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Mougeotia sp.	324.37
Triangle Pond	09/22/1998	ECTRP04	Chrysophyta	Ophiocytium sp.	19.08
Triangle Pond	09/22/1998	ECTRP04	Cryptophyta	Chroomonas sp.	76.32
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus limneticus	76.32
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus sp.	1908.04
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	648.73
Triangle Pond	09/22/1998	ECTRP04	Indeterminate	Indeterminate	457.93
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Volvocales	19.08
Triangle Pond	09/22/1998	ECTRP04	Diatom	Rhizosolenia sp.	419.77
Triangle Pond	09/22/1998	ECTRP04	Cryptophyta	Chroomonas sp.	84.43
Triangle Pond	09/22/1998	ECTRP04	Cryptophyta	Cryptomonas sp.	42.22
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus limneticus	189.98
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Chroococcus sp.	2131.96
Triangle Pond	09/22/1998	ECTRP04	Cyanophyta	Merismopedia tenuissima	1182.08
Triangle Pond	09/22/1998	ECTRP04	Indeterminate	Indeterminate	569.93
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Quadrigula sp.	114.48
Triangle Pond	09/22/1998	ECTRP04	Diatom	Gyrosigma sp.	19.08
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Pediastrum tetras	152.64

<i>Area</i>	<i>Date</i>	<i>Location</i>	<i>Division</i>	<i>Taxa</i>	<i>Concentration (units/mL)</i>
Triangle Pond	09/22/1998	ECTRP04	Diatom	Synedra sp.	152.64
Triangle Pond	09/22/1998	ECTRP04	Diatom	Tabellaria sp.	57.24
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Dictyosphaerium sp.	3949.64
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Elakatothrix viridis	38.16
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Gloeocystis gigas	38.16
Triangle Pond	09/22/1998	ECTRP04	Chlorophyta	Indeterminate Chlorophyta	95.40
Triangle Pond	09/22/1998	ECTRP04	Phyrophyta	Glenodinium sp.	19.08
Triangle Pond	09/22/1998	ECTRP04	Diatom	Bacillariophyta	19.08

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<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Snake Pond	05/06/1998	ECSNP06	Daphnia pulex	1
Snake Pond	05/06/1998	ECSNP06	Daphnia sp.	204
Snake Pond	05/06/1998	ECSNP06	Copepod naupli	31
Snake Pond	05/06/1998	ECSNP06	Bosmina coregoni	1
Snake Pond	05/06/1998	ECSNP02	Kellicottia longispina	124
Snake Pond	05/06/1998	ECSNP02	Diaptomus sp.	336
Snake Pond	05/06/1998	ECSNP02	Cyclops sp.	5
Snake Pond	05/06/1998	ECSNP02	Copepod naupli	2
Snake Pond	05/06/1998	ECSNP02	Bosmina coregoni	1
Snake Pond	05/06/1998	ECSNP08	Kellicottia longispina	6
Snake Pond	05/06/1998	ECSNP08	Diaptomus sp.	133
Snake Pond	05/06/1998	ECSNP08	Copepod naupli	5
Snake Pond	05/06/1998	ECSNP07	Kellicottia longispina	6
Snake Pond	05/06/1998	ECSNP07	Daphnia sp.	1
Snake Pond	05/06/1998	ECSNP07	Cyclopoidae	3
Snake Pond	05/06/1998	ECSNP07	Chydorus sp.	6
Snake Pond	05/06/1998	ECSNP07	Bosmina coregoni	4
Snake Pond	05/06/1998	ECSNP07	Alona sp.	2
Snake Pond	05/06/1998	ECSNP07	Diaptomus sp.	105
Snake Pond	05/06/1998	ECSNP06	Kellicottia longispina	102
Triangle Pond	05/07/1998	ECTRP05	Kellicottia longispina	87
Triangle Pond	05/07/1998	ECTRP01	Copepod naupli	40
Triangle Pond	05/07/1998	ECTRP01	Diaptomus sp.	158
Triangle Pond	05/07/1998	ECTRP01	Keratella sp.	5
Triangle Pond	05/07/1998	ECTRP05	Copepod naupli	18
Triangle Pond	05/07/1998	ECTRP01	Bosmina coregoni	31
Triangle Pond	05/07/1998	ECTRP05	Diaptomus sp.	1050
Triangle Pond	05/07/1998	ECTRP01	Kellicottia longispina	95
Triangle Pond	05/07/1998	ECTRP05	Keratella cochlearis	24
Triangle Pond	05/07/1998	ECTRP05	Rotifera	5
Triangle Pond	05/07/1998	ECTRP05	Cyclopoidae	1
Snake Pond	05/07/1998	ECSNP03	Bosmina coregoni	5

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	05/07/1998	ECTRP05	Bosmina coregoni	214
Triangle Pond	05/07/1998	ECTRP04	Keratella taurocephala	1
Triangle Pond	05/07/1998	ECTRP04	Kellicottia longispina	9
Snake Pond	05/07/1998	ECSNP03	Copepod naupli	5
Snake Pond	05/07/1998	ECSNP03	Cyclops sp.	1
Snake Pond	05/07/1998	ECSNP03	Diaptomus sp.	286
Snake Pond	05/07/1998	ECSNP03	Kellicottia longispina	209
Triangle Pond	05/07/1998	ECTRP04	Diaptomus sp.	64
Triangle Pond	05/07/1998	ECTRP04	Bosmina longirostris	3
Triangle Pond	05/07/1998	ECTRP04	Bosmina coregoni	31
Triangle Pond	05/07/1998	ECTRP04	Keratella cochlearis	49
Triangle Pond	05/08/1998	ECTRP03	Bosmina sp.	48
Triangle Pond	05/08/1998	ECTRP06	Bosmina sp.	31
Triangle Pond	05/08/1998	ECTRP06	Kellicottia longispina	106
Triangle Pond	05/08/1998	ECTRP06	Indeterminate copepodite	1
Triangle Pond	05/08/1998	ECTRP06	Diaptomus sp.	60
Triangle Pond	05/08/1998	ECTRP06	Cyclops sp.	8
Triangle Pond	05/08/1998	ECTRP06	Copepod naupli	22
Triangle Pond	05/08/1998	ECTRP06	Calanoid copepodite	73
Triangle Pond	05/08/1998	ECTRP03	Rotifera	1
Triangle Pond	05/08/1998	ECTRP03	Keratella sp.	13
Triangle Pond	05/08/1998	ECTRP03	Kellicottia longispina	24
Triangle Pond	05/08/1998	ECTRP03	Indeterminate copepodite	3
Triangle Pond	05/08/1998	ECTRP03	Diaptomus sp.	54
Triangle Pond	05/08/1998	ECTRP03	Copepod naupli	14
Triangle Pond	05/08/1998	ECTRP06	Keratella sp.	24
Triangle Pond	05/08/1998	ECTRP03	Cyclopoid copepodite	1
Triangle Pond	05/08/1998	ECTRP03	Cyclops sp.	2
Triangle Pond	05/08/1998	ECTRP03	Calanoid copepodite	54
Peters Pond	05/19/1998	ECPTP02	Copepod naupli	207
Peters Pond	05/19/1998	ECPTP04	Holopedium gibberum	144
Peters Pond	05/19/1998	ECPTP04	Kellicottia bostoniensis	3
Peters Pond	05/19/1998	ECPTP04	Kellicottia longispina	64
Peters Pond	05/19/1998	ECPTP01	Copepod naupli	73

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	05/19/1998	ECPTP04	Diaptomus sp.	63
Peters Pond	05/19/1998	ECPTP02	Cyclops bicuspidatus	3
Peters Pond	05/19/1998	ECPTP04	Diaptomus minutus	40
Peters Pond	05/19/1998	ECPTP02	Daphnia sp.	4
Peters Pond	05/19/1998	ECPTP02	Diaptomus sp.	61
Peters Pond	05/19/1998	ECPTP02	Holopedium gibberum	37
Peters Pond	05/19/1998	ECPTP02	Kellicottia longispina	43
Peters Pond	05/19/1998	ECPTP02	Rotifera	3
Peters Pond	05/19/1998	ECPTP01	Bosmina coregoni	27
Peters Pond	05/19/1998	ECPTP02	Cyclopoidae	304
Peters Pond	05/19/1998	ECPTP01	Cyclopoidae	2
Peters Pond	05/19/1998	ECPTP02	Bosmina coregoni	58
Peters Pond	05/19/1998	ECPTP01	Rotifera	3
Peters Pond	05/19/1998	ECPTP01	Keratella cochlearis	2
Peters Pond	05/19/1998	ECPTP01	Kellicottia longispina	17
Peters Pond	05/19/1998	ECPTP01	Holopedium gibberum	12
Peters Pond	05/19/1998	ECPTP04	Diaptomus spatulocrenatus	6
Peters Pond	05/19/1998	ECPTP01	Daphnia sp.	4
Peters Pond	05/19/1998	ECPTP04	Alona rectangula	1
Peters Pond	05/19/1998	ECPTP04	Bosmina coregoni	28
Peters Pond	05/19/1998	ECPTP04	Copepod nauplii	131
Peters Pond	05/19/1998	ECPTP04	Cyclops bicuspidatus	2
Peters Pond	05/19/1998	ECPTP04	Cyclops sp.	14
Peters Pond	05/19/1998	ECPTP04	Daphnia pulex	15
Peters Pond	05/19/1998	ECPTP01	Diaptomus sp.	3
Peters Pond	05/20/1998	ECPTP05	Keratella cochlearis	2
Peters Pond	05/20/1998	ECPTP03	Kellicottia longispina	73
Peters Pond	05/20/1998	ECPTP05	Cyclops bicuspidatus	2
Peters Pond	05/20/1998	ECPTP05	Cyclopoidae	25
Peters Pond	05/20/1998	ECPTP05	Copepod nauplii	198
Peters Pond	05/20/1998	ECPTP05	Chydorus sphaericus	1
Peters Pond	05/20/1998	ECPTP05	Bosmina longirostris	2
Peters Pond	05/20/1998	ECPTP05	Diaptomus sp.	83
Peters Pond	05/20/1998	ECPTP03	Rotifera	10

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	05/20/1998	ECPTP05	Holopedium gibberum	4
Peters Pond	05/20/1998	ECPTP03	Diaptomus sp.	19
Peters Pond	05/20/1998	ECPTP03	Daphnia sp.	4
Peters Pond	05/20/1998	ECPTP03	Cyclopoidae	26
Peters Pond	05/20/1998	ECPTP03	Copepod naupli	115
Peters Pond	05/20/1998	ECPTP03	Chydorus sp.	1
Peters Pond	05/20/1998	ECPTP03	Bosmina coregoni	26
Peters Pond	05/20/1998	ECPTP05	Bosmina coregoni	5
Peters Pond	05/20/1998	ECPTP05	Kellicottia longispina	11
Peters Pond	05/20/1998	ECPTP05	Rotifera	10
Peters Pond	05/20/1998	ECPTP05	Daphnia sp.	10
Snake Pond	06/15/1998	ECSNP03	Cyclopoid copepodite	1
Snake Pond	06/15/1998	ECSNP08	Kellicottia longispina	4
Triangle Pond	06/15/1998	ECTRP04	Diaptomus sp.	212
Triangle Pond	06/15/1998	ECTRP04	Holopedium gibberum	1
Snake Pond	06/15/1998	ECSNP03	Bosmina coregoni	18
Snake Pond	06/15/1998	ECSNP03	Bosmina longirostris	1
Snake Pond	06/15/1998	ECSNP03	Calanoid copepodite	38
Snake Pond	06/15/1998	ECSNP03	Copepod naupli	11
Snake Pond	06/15/1998	ECSNP03	Cyclops sp.	2
Snake Pond	06/15/1998	ECSNP03	Daphnia pulex	120
Snake Pond	06/15/1998	ECSNP03	Diaphanosoma birgei	1
Snake Pond	06/15/1998	ECSNP03	Diaptomus sp.	51
Triangle Pond	06/15/1998	ECTRP04	Diaphanosoma birgei	5
Snake Pond	06/15/1998	ECSNP03	Cladocera	4
Triangle Pond	06/15/1998	ECTRP04	Cyclops sp.	3
Snake Pond	06/15/1998	ECSNP08	Kellicottia longispina	17
Snake Pond	06/15/1998	ECSNP08	Holopedium gibberum	2
Snake Pond	06/15/1998	ECSNP08	Diaptomus sp.	18
Snake Pond	06/15/1998	ECSNP08	Daphnia pulex	34
Snake Pond	06/15/1998	ECSNP08	Cyclops sp.	3
Snake Pond	06/15/1998	ECSNP08	Copepod naupli	74
Snake Pond	06/15/1998	ECSNP08	Calanoid copepodite	34
Snake Pond	06/15/1998	ECSNP08	Bosmina longirostris	2

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Snake Pond	06/15/1998	ECSNP08	Diaptomus sp.	51
Snake Pond	06/15/1998	ECSNP08	Holopedium gibberum	8
Triangle Pond	06/15/1998	ECTRP04	Bosmina sp.	7
Snake Pond	06/15/1998	ECSNP08	Diaphanosoma sp.	1
Snake Pond	06/15/1998	ECSNP08	Daphnia pulex	59
Snake Pond	06/15/1998	ECSNP08	Cyclops sp.	2
Snake Pond	06/15/1998	ECSNP08	Copepod naupli	22
Snake Pond	06/15/1998	ECSNP08	Calanoid copepodite	43
Snake Pond	06/15/1998	ECSNP08	Bosmina coregoni	30
Snake Pond	06/15/1998	ECSNP03	Rotifera	1
Snake Pond	06/15/1998	ECSNP03	Epischura sp.	1
Snake Pond	06/15/1998	ECSNP08	Bosmina coregoni	30
Triangle Pond	06/15/1998	ECTRP05	Calanoid copepodite	39
Triangle Pond	06/15/1998	ECTRP01	Diaptomus sp.	319
Triangle Pond	06/15/1998	ECTRP01	Epischura sp.	2
Triangle Pond	06/15/1998	ECTRP01	Keratella sp.	1
Triangle Pond	06/15/1998	ECTRP06	Calanoid copepodite	18
Triangle Pond	06/15/1998	ECTRP06	Copepod naupli	42
Triangle Pond	06/15/1998	ECTRP06	Cyclopoid copepodite	3
Triangle Pond	06/15/1998	ECTRP06	Diaphanosoma birgei	23
Triangle Pond	06/15/1998	ECTRP06	Diaptomus sp.	238
Triangle Pond	06/15/1998	ECTRP06	Epischura sp.	1
Triangle Pond	06/15/1998	ECTRP06	Holopedium gibberum	1
Triangle Pond	06/15/1998	ECTRP01	Diaphanosoma birgei	2
Triangle Pond	06/15/1998	ECTRP05	Bosmina sp.	3
Triangle Pond	06/15/1998	ECTRP01	Indeterminate copepodite	2
Triangle Pond	06/15/1998	ECTRP05	Copepod naupli	71
Triangle Pond	06/15/1998	ECTRP05	Cyclopoid copepodite	11
Triangle Pond	06/15/1998	ECTRP05	Cyclops sp.	6
Triangle Pond	06/15/1998	ECTRP05	Daphnia ambigua	1
Triangle Pond	06/15/1998	ECTRP05	Diaphanosoma birgei	71
Triangle Pond	06/15/1998	ECTRP05	Diaptomus sp.	239
Triangle Pond	06/15/1998	ECTRP05	Epischura sp.	16
Triangle Pond	06/15/1998	ECTRP05	Holopedium gibberum	5

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	06/15/1998	ECTRP05	Leptodora kindti	1
Snake Pond	06/15/1998	ECSNP03	Kellicottia longispina	16
Triangle Pond	06/15/1998	ECTRP04	Copepod naupli	69
Triangle Pond	06/15/1998	ECTRP05	Alona affinis	1
Triangle Pond	06/15/1998	ECTRP01	Bosmina sp.	8
Triangle Pond	06/15/1998	ECTRP04	Calanoid copepodite	22
Snake Pond	06/15/1998	ECSNP07	Bosmina coregoni	20
Snake Pond	06/15/1998	ECSNP07	Calanoid copepodite	48
Snake Pond	06/15/1998	ECSNP07	Copepod naupli	14
Snake Pond	06/15/1998	ECSNP07	Cyclopoid copepodite	1
Snake Pond	06/15/1998	ECSNP07	Daphnia pulex	158
Snake Pond	06/15/1998	ECSNP07	Daphnia sp.	1
Snake Pond	06/15/1998	ECSNP07	Diaptomus sp.	4
Triangle Pond	06/15/1998	ECTRP06	Bosmina sp.	2
Snake Pond	06/15/1998	ECSNP07	Kellicottia longispina	4
Triangle Pond	06/15/1998	ECTRP01	Cyclopoid copepodite	1
Snake Pond	06/15/1998	ECSNP02	Kellicottia longispina	9
Triangle Pond	06/15/1998	ECTRP01	Calanoid copepodite	44
Triangle Pond	06/15/1998	ECTRP01	Copepod naupli	200
Snake Pond	06/15/1998	ECSNP02	Diaptomus sp.	64
Snake Pond	06/15/1998	ECSNP02	Daphnia pulex	21
Snake Pond	06/15/1998	ECSNP02	Daphnia ambigua	2
Snake Pond	06/15/1998	ECSNP02	Copepod naupli	23
Snake Pond	06/15/1998	ECSNP02	Calanoid copepodite	77
Snake Pond	06/15/1998	ECSNP02	Bosmina coregoni	28
Snake Pond	06/15/1998	ECSNP02	Holopedium gibberum	3
Snake Pond	06/15/1998	ECSNP07	Indeterminate copepodite	1
Triangle Pond	06/16/1998	ECTRP03	Rotifera	1
Triangle Pond	06/16/1998	ECTRP03	Bivalvia	2
Triangle Pond	06/16/1998	ECTRP03	Bosmina sp.	13
Triangle Pond	06/16/1998	ECTRP03	Calanoid copepodite	87
Triangle Pond	06/16/1998	ECTRP03	Kellicottia longispina	1
Triangle Pond	06/16/1998	ECTRP03	Cyclopoid copepodite	48
Triangle Pond	06/16/1998	ECTRP03	Keratella sp.	7

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	06/16/1998	ECTRP03	Diaphanosoma birgei	72
Triangle Pond	06/16/1998	ECTRP03	Diaptomus sp.	480
Triangle Pond	06/16/1998	ECTRP03	Copepod naupli	206
Triangle Pond	06/16/1998	ECTRP03	Acariformes	1
Triangle Pond	06/16/1998	ECTRP03	Epischura sp.	2
Triangle Pond	06/16/1998	ECTRP03	Cyclops sp.	36
Peters Pond	06/17/1998	ECPTP05	Bosmina sp.	5
Peters Pond	06/17/1998	ECPTP05	Calanoid copepodite	18
Peters Pond	06/17/1998	ECPTP05	Copepod naupli	33
Peters Pond	06/17/1998	ECPTP05	Cyclopoid copepodite	52
Peters Pond	06/17/1998	ECPTP05	Cyclops sp.	25
Peters Pond	06/17/1998	ECPTP05	Daphnia pulex	13
Peters Pond	06/17/1998	ECPTP05	Diaptomus sp.	12
Peters Pond	06/17/1998	ECPTP05	Indeterminate copepodite	3
Peters Pond	06/17/1998	ECPTP05	Kellicottia longispina	107
Peters Pond	06/18/1998	ECPTP02	Bosmina coregoni	4
Peters Pond	06/18/1998	ECPTP01	Diaphanosoma birgei	2
Peters Pond	06/18/1998	ECPTP01	Diaptomus sp.	34
Peters Pond	06/18/1998	ECPTP03	Bosmina coregoni	35
Peters Pond	06/18/1998	ECPTP01	Kellicottia longispina	1
Peters Pond	06/18/1998	ECPTP02	Kellicottia longispina	99
Peters Pond	06/18/1998	ECPTP02	Calanoid copepodite	23
Peters Pond	06/18/1998	ECPTP02	Chaoborus punctipennis	2
Peters Pond	06/18/1998	ECPTP02	Copepod naupli	43
Peters Pond	06/18/1998	ECPTP02	Cyclopoid copepodite	47
Peters Pond	06/18/1998	ECPTP02	Cyclops sp.	29
Peters Pond	06/18/1998	ECPTP02	Daphnia pulex	17
Peters Pond	06/18/1998	ECPTP02	Diaptomus sp.	13
Peters Pond	06/18/1998	ECPTP02	Holopedium gibberum	11
Peters Pond	06/18/1998	ECPTP04	Calanoid copepodite	74
Peters Pond	06/18/1998	ECPTP02	Keratella sp.	1
Peters Pond	06/18/1998	ECPTP02	Rotifera	20
Peters Pond	06/18/1998	ECPTP01	Holopedium gibberum	8
Peters Pond	06/18/1998	ECPTP01	Bosmina longirostris	20

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	06/18/1998	ECPTP04	Chaoborus punctipennis	2
Peters Pond	06/18/1998	ECPTP02	Ostracoda	1
Peters Pond	06/18/1998	ECPTP03	Calanoid copepodite	92
Peters Pond	06/18/1998	ECPTP01	Bosmina coregoni	25
Peters Pond	06/18/1998	ECPTP01	Calanoid copepodite	58
Peters Pond	06/18/1998	ECPTP01	Copepod naupli	96
Peters Pond	06/18/1998	ECPTP01	Cyclopoid copepodite	34
Peters Pond	06/18/1998	ECPTP01	Cyclops sp.	26
Peters Pond	06/18/1998	ECPTP04	Cyclopoid copepodite	146
Peters Pond	06/18/1998	ECPTP04	Cyclops sp.	93
Peters Pond	06/18/1998	ECPTP04	Daphnia pulex	14
Peters Pond	06/18/1998	ECPTP04	Daphnia sp.	5
Peters Pond	06/18/1998	ECPTP04	Diaptomus sp.	22
Peters Pond	06/18/1998	ECPTP04	Holopedium gibberum	50
Peters Pond	06/18/1998	ECPTP04	Bosmina sp.	116
Peters Pond	06/18/1998	ECPTP04	Indeterminate copepodite	9
Peters Pond	06/18/1998	ECPTP03	Cyclops sp.	74
Peters Pond	06/18/1998	ECPTP04	Copepod naupli	147
Peters Pond	06/18/1998	ECPTP03	Diaptomus sp.	40
Peters Pond	06/18/1998	ECPTP03	Copepod naupli	59
Peters Pond	06/18/1998	ECPTP03	Kellicottia longispina	13
Peters Pond	06/18/1998	ECPTP03	Daphnia pulex	9
Peters Pond	06/18/1998	ECPTP04	Rotifera	24
Peters Pond	06/18/1998	ECPTP04	Ostracoda	2
Peters Pond	06/18/1998	ECPTP03	Cyclopoid copepodite	58
Peters Pond	06/18/1998	ECPTP04	Keratella sp.	5
Peters Pond	06/18/1998	ECPTP04	Kellicottia longispina	70
Peters Pond	06/18/1998	ECPTP03	Holopedium gibberum	33
Snake Pond	08/03/1998	ECSNP07	Epischura sp.	2
Snake Pond	08/03/1998	ECSNP07	Keratella sp.	35
Snake Pond	08/03/1998	ECSNP07	Diaptomus sp.	17
Snake Pond	08/03/1998	ECSNP07	Cyclops sp.	1
Snake Pond	08/03/1998	ECSNP07	Cyclopoid copepodite	1
Snake Pond	08/03/1998	ECSNP07	Copepod naupli	482

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Snake Pond	08/03/1998	ECSNP07	Bosmina longirostris	27
Snake Pond	08/03/1998	ECSNP08	Diaphanosoma sp.	1
Snake Pond	08/03/1998	ECSNP07	Bosmina coregoni	7
Snake Pond	08/03/1998	ECSNP06	Keratella sp.	10
Snake Pond	08/03/1998	ECSNP06	Kellicottia longispina	12
Snake Pond	08/03/1998	ECSNP07	Calanoid copepodite	32
Snake Pond	08/03/1998	ECSNP08	Bosmina coregoni	8
Snake Pond	08/03/1998	ECSNP08	Bosmina longirostris	46
Snake Pond	08/03/1998	ECSNP08	Calanoid copepodite	30
Snake Pond	08/03/1998	ECSNP08	Cyclops sp.	2
Snake Pond	08/03/1998	ECSNP08	Diaptomus sp.	6
Snake Pond	08/03/1998	ECSNP08	Keratella sp.	125
Snake Pond	08/03/1998	ECSNP08	Rotifera	2
Triangle Pond	08/03/1998	ECTRP05	Bosmina coregoni	15
Triangle Pond	08/03/1998	ECTRP05	Bosmina longirostris	44
Snake Pond	08/03/1998	ECSNP06	Epischura sp.	4
Snake Pond	08/03/1998	ECSNP03	Calanoid copepodite	156
Triangle Pond	08/03/1998	ECTRP05	Copepod naupli	33
Triangle Pond	08/03/1998	ECTRP05	Calanoid copepodite	62
Snake Pond	08/03/1998	ECSNP08	Copepod naupli	816
Snake Pond	08/03/1998	ECSNP03	Copepod naupli	72
Triangle Pond	08/03/1998	ECTRP05	Cyclopoid copepodite	10
Triangle Pond	08/03/1998	ECTRP04	Cyclops sp.	2
Snake Pond	08/03/1998	ECSNP02	Bosmina sp.	68
Snake Pond	08/03/1998	ECSNP02	Calanoid copepodite	190
Snake Pond	08/03/1998	ECSNP02	Copepod naupli	114
Snake Pond	08/03/1998	ECSNP02	Cyclopoid copepodite	2
Snake Pond	08/03/1998	ECSNP02	Cyclops sp.	4
Snake Pond	08/03/1998	ECSNP02	Daphnia pulex	1
Snake Pond	08/03/1998	ECSNP02	Diaphanosoma sp.	2
Snake Pond	08/03/1998	ECSNP02	Diaptomus sp.	104
Snake Pond	08/03/1998	ECSNP02	Epischura sp.	2
Snake Pond	08/03/1998	ECSNP03	Cyclopoid copepodite	10
Snake Pond	08/03/1998	ECSNP03	Bosmina sp.	104

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Snake Pond	08/03/1998	ECSNP06	Diaptomus sp.	99
Snake Pond	08/03/1998	ECSNP03	Cyclops sp.	13
Snake Pond	08/03/1998	ECSNP03	Daphnia pulex	4
Snake Pond	08/03/1998	ECSNP03	Diaptomus sp.	89
Snake Pond	08/03/1998	ECSNP03	Epischura sp.	4
Snake Pond	08/03/1998	ECSNP03	Kellicottia longispina	18
Snake Pond	08/03/1998	ECSNP03	Keratella sp.	10
Snake Pond	08/03/1998	ECSNP06	Bosmina coregoni	30
Snake Pond	08/03/1998	ECSNP06	Bosmina longirostris	16
Snake Pond	08/03/1998	ECSNP06	Calanoid copepodite	55
Snake Pond	08/03/1998	ECSNP06	Copepod naupli	39
Snake Pond	08/03/1998	ECSNP06	Cyclops sp.	15
Snake Pond	08/03/1998	ECSNP06	Daphnia pulex	21
Snake Pond	08/03/1998	ECSNP02	Keratella sp.	15
Triangle Pond	08/03/1998	ECTRP04	Bosmina longirostris	48
Triangle Pond	08/03/1998	ECTRP05	Cyclops sp.	10
Triangle Pond	08/03/1998	ECTRP04	Diaptomus sp.	122
Triangle Pond	08/03/1998	ECTRP04	Diaphanosoma sp.	37
Triangle Pond	08/03/1998	ECTRP04	Cyclopoid copepodite	4
Triangle Pond	08/03/1998	ECTRP04	Calanoid copepodite	36
Triangle Pond	08/03/1998	ECTRP04	Bosmina coregoni	10
Triangle Pond	08/03/1998	ECTRP01	Keratella sp.	16
Triangle Pond	08/03/1998	ECTRP01	Epischura sp.	1
Triangle Pond	08/03/1998	ECTRP01	Diaptomus sp.	178
Triangle Pond	08/03/1998	ECTRP05	Diaptomus oregonensis	224
Triangle Pond	08/03/1998	ECTRP04	Copepod naupli	30
Triangle Pond	08/03/1998	ECTRP05	Diaphanosoma sp.	68
Triangle Pond	08/03/1998	ECTRP01	Diaphanosoma sp.	21
Triangle Pond	08/03/1998	ECTRP05	Kellicottia longispina	6
Triangle Pond	08/03/1998	ECTRP01	Bosmina coregoni	7
Triangle Pond	08/03/1998	ECTRP01	Calanoid copepodite	184
Triangle Pond	08/03/1998	ECTRP01	Copepod naupli	183
Triangle Pond	08/03/1998	ECTRP01	Cyclopoid copepodite	10
Triangle Pond	08/03/1998	ECTRP01	Cyclops sp.	1

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	08/04/1998	ECTRP03	Keratella sp.	1
Triangle Pond	08/04/1998	ECTRP06	Diaphanosoma sp.	18
Triangle Pond	08/04/1998	ECTRP06	Cyclopoidae	12
Triangle Pond	08/04/1998	ECTRP06	Cyclopoid copepodite	15
Triangle Pond	08/04/1998	ECTRP06	Copepod naupli	9
Triangle Pond	08/04/1998	ECTRP06	Calanoid copepodite	34
Triangle Pond	08/04/1998	ECTRP06	Bosmina longirostris	36
Triangle Pond	08/04/1998	ECTRP06	Bosmina coregoni	7
Triangle Pond	08/04/1998	ECTRP03	Rotifera	1
Triangle Pond	08/04/1998	ECTRP06	Diaptomus sp.	163
Triangle Pond	08/04/1998	ECTRP03	Bosmina longirostris	84
Triangle Pond	08/04/1998	ECTRP03	Eucopepoda	3
Triangle Pond	08/04/1998	ECTRP03	Bosmina coregoni	6
Triangle Pond	08/04/1998	ECTRP03	Acroperus harpae	1
Triangle Pond	08/04/1998	ECTRP03	Calanoid copepodite	60
Triangle Pond	08/04/1998	ECTRP03	Copepod naupli	63
Triangle Pond	08/04/1998	ECTRP03	Cyclopoid copepodite	10
Triangle Pond	08/04/1998	ECTRP03	Cyclopoidae	8
Triangle Pond	08/04/1998	ECTRP03	Diaphanosoma sp.	34
Triangle Pond	08/04/1998	ECTRP03	Diaptomus minutus	111
Peters Pond	08/05/1998	ECPTP01	Diaptomus oregonesis	24
Peters Pond	08/05/1998	ECPTP01	Rotifera	32
Peters Pond	08/05/1998	ECPTP01	Mesocyclops sp.	17
Peters Pond	08/05/1998	ECPTP01	Keratella sp.	1
Peters Pond	08/05/1998	ECPTP01	Kellicottia longispina	1
Peters Pond	08/05/1998	ECPTP01	Diaptomus sp.	23
Peters Pond	08/05/1998	ECPTP01	Asplanchna sp.	4
Peters Pond	08/05/1998	ECPTP01	Daphnia pulex	4
Peters Pond	08/05/1998	ECPTP01	Cyclopoid copepodite	20
Peters Pond	08/05/1998	ECPTP01	Copepod naupli	30
Peters Pond	08/05/1998	ECPTP01	Calanoid copepodite	54
Peters Pond	08/05/1998	ECPTP01	Bosmina longirostris	9
Peters Pond	08/05/1998	ECPTP01	Bosmina coregoni	16
Peters Pond	08/05/1998	ECPTP01	Diaphanosoma sp.	98

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	08/06/1998	ECPTP03	Rotifera	186
Peters Pond	08/06/1998	ECPTP03	Copepod naupli	87
Peters Pond	08/06/1998	ECPTP03	Cyclopoid copepodite	17
Peters Pond	08/06/1998	ECPTP03	Cyclops sp.	6
Peters Pond	08/06/1998	ECPTP03	Daphnia pulex	6
Peters Pond	08/06/1998	ECPTP03	Diaphanosoma sp.	9
Peters Pond	08/06/1998	ECPTP03	Diaptomus sp.	67
Peters Pond	08/06/1998	ECPTP03	Calanoid copepodite	152
Peters Pond	08/06/1998	ECPTP03	Kellicottia longispina	1
Peters Pond	08/06/1998	ECPTP02	Diaptomus sp.	69
Peters Pond	08/06/1998	ECPTP04	Asplanchna sp.	4
Peters Pond	08/06/1998	ECPTP03	Holopedium gibberum	1
Peters Pond	08/06/1998	ECPTP03	Bosmina longirostris	3
Peters Pond	08/06/1998	ECPTP03	Bosmina coregoni	71
Peters Pond	08/06/1998	ECPTP02	Asplanchna sp.	7
Peters Pond	08/06/1998	ECPTP02	Keratella sp.	1
Peters Pond	08/06/1998	ECPTP02	Diaphanosoma brachyurum	8
Peters Pond	08/06/1998	ECPTP02	Daphnia pulex	13
Peters Pond	08/06/1998	ECPTP02	Cyclopoidae	22
Peters Pond	08/06/1998	ECPTP02	Copepod naupli	25
Peters Pond	08/06/1998	ECPTP02	Chaoborus punctipennis	9
Peters Pond	08/06/1998	ECPTP02	Bosmina sp.	70
Peters Pond	08/06/1998	ECPTP04	Daphnia ambigua	2
Peters Pond	08/06/1998	ECPTP04	Bosmina coregoni	18
Peters Pond	08/06/1998	ECPTP02	Ostracoda	1
Peters Pond	08/06/1998	ECPTP05	Diaptomus sp.	26
Peters Pond	08/06/1998	ECPTP04	Cyclopoid copepodite	13
Peters Pond	08/06/1998	ECPTP04	Chaoborus punctipennis	3
Peters Pond	08/06/1998	ECPTP05	Rotifera	67
Peters Pond	08/06/1998	ECPTP05	Kellicottia longispina	1
Peters Pond	08/06/1998	ECPTP05	Diaphanosoma sp.	10
Peters Pond	08/06/1998	ECPTP05	Daphnia pulex	16
Peters Pond	08/06/1998	ECPTP05	Cyclops sp.	10
Peters Pond	08/06/1998	ECPTP05	Cyclopoid copepodite	2

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	08/06/1998	ECPTP05	Copepod naupli	20
Peters Pond	08/06/1998	ECPTP05	Chaoborus punctipennis	2
Peters Pond	08/06/1998	ECPTP05	Calanoid copepodite	43
Peters Pond	08/06/1998	ECPTP05	Bosmina longirostris	2
Peters Pond	08/06/1998	ECPTP04	Cyclops sp.	4
Peters Pond	08/06/1998	ECPTP05	Asplanchna sp.	3
Peters Pond	08/06/1998	ECPTP04	Rotifera	37
Peters Pond	08/06/1998	ECPTP04	Ostracoda	2
Peters Pond	08/06/1998	ECPTP04	Keratella sp.	2
Peters Pond	08/06/1998	ECPTP04	Kellicottia longispina	2
Peters Pond	08/06/1998	ECPTP04	Diaptomus sp.	15
Peters Pond	08/06/1998	ECPTP04	Daphnia pulex	21
Peters Pond	08/06/1998	ECPTP04	Copepoda	2
Peters Pond	08/06/1998	ECPTP04	Copepod naupli	85
Peters Pond	08/06/1998	ECPTP05	Bosmina coregoni	26
Snake Pond	09/21/1998	ECSNP06	Copepod naupli	32
Snake Pond	09/21/1998	ECSNP06	Cyclopoid copepodite	22
Snake Pond	09/21/1998	ECSNP06	Cyclops sp.	4
Snake Pond	09/21/1998	ECSNP06	Daphnia pulex	4
Snake Pond	09/21/1998	ECSNP06	Diaptomus minutus	172
Snake Pond	09/21/1998	ECSNP06	Epischura sp.	2
Snake Pond	09/21/1998	ECSNP06	Mesocyclops sp.	6
Snake Pond	09/21/1998	ECSNP08	Cyclopoid copepodite	57
Triangle Pond	09/21/1998	ECTRP01	Bosmina coregoni	28
Snake Pond	09/21/1998	ECSNP06	Keratella sp.	1
Snake Pond	09/21/1998	ECSNP06	Ceriodaphnia sp.	2
Snake Pond	09/21/1998	ECSNP06	Calanoid copepodite	75
Snake Pond	09/21/1998	ECSNP08	Bosmina coregoni	8
Snake Pond	09/21/1998	ECSNP08	Diaptomus minutus	21
Snake Pond	09/21/1998	ECSNP08	Copepod naupli	249
Snake Pond	09/21/1998	ECSNP08	Ophryoxus gracilis	1
Snake Pond	09/21/1998	ECSNP08	Cyclops sp.	2
Triangle Pond	09/21/1998	ECTRP05	Cyclops sp.	17
Triangle Pond	09/21/1998	ECTRP01	Bosmina longirostris	40

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	09/21/1998	ECTRP06	Calanoid copepodite	82
Snake Pond	09/21/1998	ECSNP08	Keratella sp.	3
Snake Pond	09/21/1998	ECSNP08	Bosmina longirostris	5
Triangle Pond	09/21/1998	ECTRP06	Copepod naupli	35
Snake Pond	09/21/1998	ECSNP06	Bosmina longirostris	6
Snake Pond	09/21/1998	ECSNP07	Diaphanosoma sp.	4
Triangle Pond	09/21/1998	ECTRP05	Daphnia ambigua	58
Triangle Pond	09/21/1998	ECTRP05	Diaphanosoma birgei	23
Triangle Pond	09/21/1998	ECTRP05	Diaptomus minutus	118
Triangle Pond	09/21/1998	ECTRP05	Diaptomus oregonesis	4
Triangle Pond	09/21/1998	ECTRP05	Epischura sp.	1
Triangle Pond	09/21/1998	ECTRP05	Kellicottia longispina	2
Triangle Pond	09/21/1998	ECTRP05	Mesocyclops sp.	21
Triangle Pond	09/21/1998	ECTRP06	Cyclopoid copepodite	14
Triangle Pond	09/21/1998	ECTRP06	Bosmina longirostris	16
Triangle Pond	09/21/1998	ECTRP01	Calanoid copepodite	54
Triangle Pond	09/21/1998	ECTRP06	Cyclops sp.	5
Triangle Pond	09/21/1998	ECTRP06	Daphnia ambigua	2
Triangle Pond	09/21/1998	ECTRP06	Diaphanosoma sp.	16
Triangle Pond	09/21/1998	ECTRP06	Diaptomus minutus	181
Triangle Pond	09/21/1998	ECTRP06	Diaptomus oregonesis	3
Triangle Pond	09/21/1998	ECTRP06	Epischura sp.	1
Triangle Pond	09/21/1998	ECTRP06	Keratella sp.	1
Triangle Pond	09/21/1998	ECTRP06	Mesocyclops sp.	12
Triangle Pond	09/21/1998	ECTRP01	Copepod naupli	340
Triangle Pond	09/21/1998	ECTRP06	Bosmina coregoni	21
Triangle Pond	09/21/1998	ECTRP01	Cyclopoid copepodite	1
Snake Pond	09/21/1998	ECSNP03	Diaphanosoma sp.	17
Snake Pond	09/21/1998	ECSNP03	Daphnia ambigua	5
Snake Pond	09/21/1998	ECSNP03	Cyclopoid copepodite	13
Snake Pond	09/21/1998	ECSNP03	Copepod naupli	18
Snake Pond	09/21/1998	ECSNP06	Bosmina coregoni	10
Snake Pond	09/21/1998	ECSNP03	Bosmina longirostris	4
Snake Pond	09/21/1998	ECSNP07	Keratella cochlearis	25

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	09/21/1998	ECTRP05	Copepod naupli	37
Triangle Pond	09/21/1998	ECTRP05	Chaoborus punctipennis	1
Triangle Pond	09/21/1998	ECTRP05	Calanoid copepodite	43
Triangle Pond	09/21/1998	ECTRP05	Bosmina longirostris	3
Snake Pond	09/21/1998	ECSNP03	Diaptomus minutus	74
Triangle Pond	09/21/1998	ECTRP01	Rotifera	2
Snake Pond	09/21/1998	ECSNP03	Calanoid copepodite	56
Triangle Pond	09/21/1998	ECTRP01	Keratella sp.	1
Triangle Pond	09/21/1998	ECTRP01	Diaptomus minutus	59
Snake Pond	09/21/1998	ECSNP07	Rotifera	3
Snake Pond	09/21/1998	ECSNP07	Ostracoda	2
Triangle Pond	09/21/1998	ECTRP05	Cyclopoid copepodite	24
Snake Pond	09/21/1998	ECSNP07	Diaptomus minutus	19
Snake Pond	09/21/1998	ECSNP07	Cyclopoid copepodite	7
Snake Pond	09/21/1998	ECSNP07	Copepod naupli	169
Snake Pond	09/21/1998	ECSNP07	Calanoid copepodite	90
Snake Pond	09/21/1998	ECSNP07	Bosmina longirostris	1
Snake Pond	09/21/1998	ECSNP07	Bosmina coregoni	1
Triangle Pond	09/21/1998	ECTRP05	Bosmina coregoni	8
Snake Pond	09/21/1998	ECSNP03	Mesocyclops sp.	2
Snake Pond	09/21/1998	ECSNP03	Rotifera	4
Snake Pond	09/21/1998	ECSNP03	Keratella sp.	1
Snake Pond	09/21/1998	ECSNP03	Bosmina coregoni	7
Triangle Pond	09/22/1998	ECTRP04	Copepod naupli	36
Triangle Pond	09/22/1998	ECTRP03	Diaptomus oregonesis	13
Triangle Pond	09/22/1998	ECTRP03	Diaptomus sp.	412
Triangle Pond	09/22/1998	ECTRP03	Epischura sp.	7
Triangle Pond	09/22/1998	ECTRP03	Holopedium gibberum	2
Triangle Pond	09/22/1998	ECTRP03	Keratella sp.	5
Triangle Pond	09/22/1998	ECTRP03	Mesocyclops sp.	4
Triangle Pond	09/22/1998	ECTRP04	Bosmina coregoni	4
Triangle Pond	09/22/1998	ECTRP04	Calanoid copepodite	18
Snake Pond	09/22/1998	ECSNP02	Bosmina longirostris	4
Triangle Pond	09/22/1998	ECTRP04	Cyclopoid copepodite	5

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Triangle Pond	09/22/1998	ECTRP04	Cyclops sp.	2
Triangle Pond	09/22/1998	ECTRP04	Diaphanosoma sp.	6
Triangle Pond	09/22/1998	ECTRP04	Diaptomus sp.	104
Triangle Pond	09/22/1998	ECTRP04	Epischura sp.	1
Triangle Pond	09/22/1998	ECTRP04	Keratella sp.	2
Triangle Pond	09/22/1998	ECTRP04	Mesocyclops sp.	2
Triangle Pond	09/22/1998	ECTRP04	Bosmina longirostris	11
Snake Pond	09/22/1998	ECSNP02	Keratella cochlearis	9
Triangle Pond	09/22/1998	ECTRP03	Bosmina coregoni	13
Triangle Pond	09/22/1998	ECTRP03	Bosmina longirostris	6
Triangle Pond	09/22/1998	ECTRP03	Calanoid copepodite	61
Triangle Pond	09/22/1998	ECTRP03	Copepod naupli	28
Triangle Pond	09/22/1998	ECTRP03	Cyclopoid copepodite	20
Triangle Pond	09/22/1998	ECTRP03	Cyclops sp.	6
Triangle Pond	09/22/1998	ECTRP03	Diaphanosoma sp.	31
Snake Pond	09/22/1998	ECSNP02	Mesocyclops sp.	1
Snake Pond	09/22/1998	ECSNP02	Bosmina coregoni	12
Snake Pond	09/22/1998	ECSNP02	Diaptomus minutus	62
Snake Pond	09/22/1998	ECSNP02	Diaphanosoma sp.	10
Snake Pond	09/22/1998	ECSNP02	Daphnia pulex	1
Snake Pond	09/22/1998	ECSNP02	Cyclops sp.	2
Snake Pond	09/22/1998	ECSNP02	Cyclopoidae	11
Snake Pond	09/22/1998	ECSNP02	Cyclopoid copepodite	37
Snake Pond	09/22/1998	ECSNP02	Copepod naupli	100
Snake Pond	09/22/1998	ECSNP02	Calanoid copepodite	99
Snake Pond	09/22/1998	ECSNP02	Trichocerca sp.	9
Peters Pond	09/24/1998	ECPTP01	Asplanchna sp.	19
Peters Pond	09/24/1998	ECPTP01	Keratella sp.	1
Peters Pond	09/24/1998	ECPTP01	Diaptomus minutus	25
Peters Pond	09/24/1998	ECPTP01	Daphnia pulex	4
Peters Pond	09/24/1998	ECPTP01	Cyclops sp.	9
Peters Pond	09/24/1998	ECPTP01	Cyclopoid copepodite	1
Peters Pond	09/24/1998	ECPTP01	Copepod naupli	60
Peters Pond	09/24/1998	ECPTP01	Bosmina coregoni	10

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	09/24/1998	ECPTP01	Calanoid copepodite	62
Peters Pond	09/25/1998	ECPTP02	Daphnia pulex	97
Peters Pond	09/25/1998	ECPTP04	Copepod naupli	35
Peters Pond	09/25/1998	ECPTP03	Copepod naupli	68
Peters Pond	09/25/1998	ECPTP03	Cyclopoid copepodite	6
Peters Pond	09/25/1998	ECPTP03	Cyclops sp.	1
Peters Pond	09/25/1998	ECPTP03	Daphnia pulex	20
Peters Pond	09/25/1998	ECPTP03	Diaphanosoma sp.	5
Peters Pond	09/25/1998	ECPTP03	Diaptomus minutus	57
Peters Pond	09/25/1998	ECPTP03	Diaptomus oregonesis	11
Peters Pond	09/25/1998	ECPTP03	Holopedium gibberum	2
Peters Pond	09/25/1998	ECPTP03	Keratella sp.	4
Peters Pond	09/25/1998	ECPTP03	Mesocyclops sp.	4
Peters Pond	09/25/1998	ECPTP04	Asplanchna sp.	3
Peters Pond	09/25/1998	ECPTP04	Bosmina coregoni	1
Peters Pond	09/25/1998	ECPTP02	Cyclopoid copepodite	7
Peters Pond	09/25/1998	ECPTP04	Chaoborus punctipennis	6
Peters Pond	09/25/1998	ECPTP03	Bosmina coregoni	3
Peters Pond	09/25/1998	ECPTP04	Cyclopoid copepodite	6
Peters Pond	09/25/1998	ECPTP04	Cyclops sp.	5
Peters Pond	09/25/1998	ECPTP04	Daphnia ambigua	2
Peters Pond	09/25/1998	ECPTP04	Daphnia pulex	83
Peters Pond	09/25/1998	ECPTP04	Diaphanosoma sp.	6
Peters Pond	09/25/1998	ECPTP04	Diaptomus oregonesis	13
Peters Pond	09/25/1998	ECPTP04	Diaptomus sp.	8
Peters Pond	09/25/1998	ECPTP04	Holopedium gibberum	1
Peters Pond	09/25/1998	ECPTP04	Keratella sp.	4
Peters Pond	09/25/1998	ECPTP04	Mesocyclops sp.	14
Peters Pond	09/25/1998	ECPTP04	Ostracoda	1
Peters Pond	09/25/1998	ECPTP04	Rotifera	5
Peters Pond	09/25/1998	ECPTP04	Calanoid copepodite	31
Peters Pond	09/25/1998	ECPTP02	Bosmina coregoni	1
Peters Pond	09/25/1998	ECPTP05	Bosmina coregoni	6
Peters Pond	09/25/1998	ECPTP05	Bosmina longirostris	4

<i>Study Area</i>	<i>Date</i>	<i>Location</i>	<i>Taxonomic ID</i>	<i>Count</i>
Peters Pond	09/25/1998	ECPTP05	Chaoborus punctipennis	3
Peters Pond	09/25/1998	ECPTP05	Copepod naupli	48
Peters Pond	09/25/1998	ECPTP05	Cyclopoid copepodite	76
Peters Pond	09/25/1998	ECPTP05	Cyclops sp.	1
Peters Pond	09/25/1998	ECPTP05	Daphnia pulex	46
Peters Pond	09/25/1998	ECPTP05	Diaphanosoma sp.	7
Peters Pond	09/25/1998	ECPTP05	Diaptomus minutus	25
Peters Pond	09/25/1998	ECPTP05	Diaptomus oregonesis	9
Peters Pond	09/25/1998	ECPTP05	Holopedium gibberum	1
Peters Pond	09/25/1998	ECPTP05	Keratella sp.	4
Peters Pond	09/25/1998	ECPTP03	Chydorus sphaericus	1
Peters Pond	09/25/1998	ECPTP02	Asplanchna sp.	7
Peters Pond	09/25/1998	ECPTP03	Calanoid copepodite	102
Peters Pond	09/25/1998	ECPTP02	Calanoid copepodite	51
Peters Pond	09/25/1998	ECPTP02	Chaoborus punctipennis	1
Peters Pond	09/25/1998	ECPTP02	Copepod naupli	59
Peters Pond	09/25/1998	ECPTP02	Cyclops sp.	5
Peters Pond	09/25/1998	ECPTP02	Diaphanosoma sp.	2
Peters Pond	09/25/1998	ECPTP02	Diaptomus oregonesis	4
Peters Pond	09/25/1998	ECPTP02	Diaptomus sp.	19
Peters Pond	09/25/1998	ECPTP02	Holopedium gibberum	8
Peters Pond	09/25/1998	ECPTP02	Keratella sp.	7
Peters Pond	09/25/1998	ECPTP02	Mesocyclops sp.	14
Peters Pond	09/25/1998	ECPTP02	Rotifera	3
Peters Pond	09/25/1998	ECPTP03	Asplanchna sp.	21
Peters Pond	09/25/1998	ECPTP05	Asplanchna sp.	13
Peters Pond	09/25/1998	ECPTP05	Mesocyclops sp.	4

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<i>Study Area</i>	<i>Collection Date</i>	<i>Location</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>Number</i>
Peters Pond	06/17/1998	ECPTP05	Planorbidae	Menetus	dilatus	1
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Cladopelma sp.		1
Peters Pond	06/17/1998	ECPTP05	Talitridae	Hyaella	azteca	7
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Tanytarsus	guerlus	2
Peters Pond	06/17/1998	ECPTP05	Erpobdellidae	Mooreobdella	fervida	3
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Dicrotendipes	modestus	3
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Microchironomus	caelum	6
Peters Pond	06/17/1998	ECPTP05	Lumbriculidae	Lumbriculus	variegatus	2
Peters Pond	06/17/1998	ECPTP05	Lumbriculidae	Eclipidrilus	lacustris	1
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Procladius	subletti	1
Peters Pond	06/17/1998	ECPTP05	Asellidae	Caecidotea	communis	2
Peters Pond	06/17/1998	ECPTP05	Chironomidae	Paratanytarsus sp.		1
Peters Pond	06/18/1998	ECPTP01	Sididae	Latona	setifera	3
Peters Pond	06/18/1998	ECPTP01	Sphaeriidae	Pisidium sp.		6
Peters Pond	06/18/1998	ECPTP01	Tubificidae	Limnodrilus	hoffmeisteri	2
Peters Pond	06/18/1998	ECPTP01	Chydoridae	Eurycercus	lamellatus	6
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Cryptochironomus	fulvus	1
Peters Pond	06/18/1998	ECPTP01	Ceratopogonidae	Probezzia sp.		1
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Tanytarsus	guerlus	14
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Procladius	subletti	5
Peters Pond	06/18/1998	ECPTP01	Talitridae	Hyaella	azteca	2
Peters Pond	06/18/1998	ECPTP01	Chaoboridae	Chaoborus	punctipennis	3
Peters Pond	06/18/1998	ECPTP01	Ephemeridae	Hexagenia	limbata	3
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Microchironomus	caelum	5
Peters Pond	06/18/1998	ECPTP01	Pionidae	Nautarachna sp.		1
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Chironomid	pupa	1
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Paralauterborniella sp.		8
Peters Pond	06/18/1998	ECPTP01		Candona sp.		2

<i>Study Area</i>	<i>Collection Date</i>	<i>Location</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>Number</i>
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Zalutschia sp.		2
Peters Pond	06/18/1998	ECPTP01	Chironomidae	Ablabesmyia	annulata	2
Peters Pond	06/18/1998	ECPTP02	Chironomidae	Procladius	subletti	2
Peters Pond	06/18/1998	ECPTP02	Tubificidae	Ilyodrilus	templetoni	1
Peters Pond	06/18/1998	ECPTP02	Holopedidae	Holopedium	gibberum	4
Peters Pond	06/18/1998	ECPTP02	Chironomidae	Zalutschia sp.		2
Peters Pond	06/18/1998	ECPTP02	Chironomidae	Chironomus	decorus	7
Peters Pond	06/18/1998	ECPTP02	Tubificidae	Aulodrilus	pigreti	1
Peters Pond	06/18/1998	ECPTP02	Chaoboridae	Chaoborus	punctipennis	23
Peters Pond	06/18/1998	ECPTP02	Tubificidae	Aulodrilus	pigreti	22
Peters Pond	06/18/1998	ECPTP02	Daphnidae	Daphnia	pulex	2
Peters Pond	06/18/1998	ECPTP03	Chironomidae	Microchironomus	caelum	4
Peters Pond	06/18/1998	ECPTP03	Sphaeriidae	Pisidium sp.		1
Peters Pond	06/18/1998	ECPTP03	Chironomidae	Ablabesmyia	parajanta	1
Peters Pond	06/18/1998	ECPTP03	Talitridae	Hyaella	azteca	1
Peters Pond	06/18/1998	ECPTP03	Chironomidae	Tanytarsus	guerlus	5
Peters Pond	06/18/1998	ECPTP03	Chironomidae	Chironomus	decorus	3
Peters Pond	06/18/1998	ECPTP03	Tubificidae	Aulodrilus	pigreti	1
Peters Pond	06/18/1998	ECPTP03	Lumbriculidae	Eclipidrilus	lacustris	1
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Pagastiella sp.		4
Peters Pond	06/18/1998	ECPTP06	Sphaeriidae	Pisidium sp.		1
Peters Pond	06/18/1998	ECPTP06	Caenidae	Caenis sp.		1
Peters Pond	06/18/1998	ECPTP06	Tubificidae	Aulodrilus	pigreti	8
Peters Pond	06/18/1998	ECPTP06	Macrothricidae	Ophryoxus	gracilis	6
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Psectrocladius sp.		1
Peters Pond	06/18/1998	ECPTP06	Daphnidae	Moina	micrura	5
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Microchironomus	caelum	17
Peters Pond	06/18/1998	ECPTP06	Sididae	Latona	setifera	1
Peters Pond	06/18/1998	ECPTP06	Talitridae	Hyaella	azteca	69
Peters Pond	06/18/1998	ECPTP06	Lumbriculidae	Eclipidrilus	lacustris	5

<i>Study Area</i>	<i>Collection Date</i>	<i>Location</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>Number</i>
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Procladius	subletti	2
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Cryptochironomus	fulvus	1
Peters Pond	06/18/1998	ECPTP06		Candona sp.		1
Peters Pond	06/18/1998	ECPTP06	Daphnidae	Daphnia	pulex	2
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Cladotanytarsus sp.		1
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Chironomidae		1
Peters Pond	06/18/1998	ECPTP06	Holopedidae	Holopedium	gibberum	1
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Tanytarsus	guerlus	1
Peters Pond	06/18/1998	ECPTP06	Ephemerellidae	Eurylophella sp.		1
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Chironomus	decorus	4
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Ablabesmyia	parajanta	2
Peters Pond	06/18/1998	ECPTP06	Chironomidae	Ablabesmyia	mallochi	1
Peters Pond	06/18/1998	ECPTP07	Prostomatidae	Prostoma	graecense	2
Peters Pond	06/18/1998	ECPTP07	Ceratopogonidae	Sphaeromias sp.		1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Microchironomus	caelum	112
Peters Pond	06/18/1998	ECPTP07		Hydrozetes sp.		3
Peters Pond	06/18/1998	ECPTP07	Talitridae	Hyaella	azteca	21
Peters Pond	06/18/1998	ECPTP07		Mononchoides sp.		2
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Ablabesmyia	parajanta	6
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Dicrotendipes	modestus	3
Peters Pond	06/18/1998	ECPTP07	Hydrobiidae	Gillia	altilis	1
Peters Pond	06/18/1998	ECPTP07	Heptageniidae	Stenonema	tripunctatum	1
Peters Pond	06/18/1998	ECPTP07	Leptoceridae	Setodes sp.		1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Cricotopus	bicinctus	1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Procladius	subletti	1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Psectrocladius sp.		1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Ablabesmyia	mallochi	1
Peters Pond	06/18/1998	ECPTP07	Gomphidae	Arigomphus sp.		1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Orthocladius sp.		3
Peters Pond	06/18/1998	ECPTP07		Tylenchus sp.		2

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Peters Pond	06/18/1998	ECPTP07		Alaimus sp.		1
Peters Pond	06/18/1998	ECPTP07	Chironomidae	Tanytarsus	guerlus	120
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Paratanytarsus sp.		1
Peters Pond	06/18/1998	ECPTP08	Dytiscidae	Hydroporus sp.		1
Peters Pond	06/18/1998	ECPTP08	Cambaridae	Cambaridae		1
Peters Pond	06/18/1998	ECPTP08	Prostomatidae	Prostoma	graecense	1
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Psectrocladius sp.		6
Peters Pond	06/18/1998	ECPTP08	Planorbidae	Menetus	dilatus	6
Peters Pond	06/18/1998	ECPTP08	Lumbriculidae	Lumbriculus	variegatus	1
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Tanytarsus	guerlus	3
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Procladius	subletti	1
Peters Pond	06/18/1998	ECPTP08	Ephemerellidae	Dannella sp.		1
Peters Pond	06/18/1998	ECPTP08	Lumbriculidae	Eclipidrilus	lacustris	11
Peters Pond	06/18/1998	ECPTP08	Asellidae	Caecidotea	communis	1
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Dicrotendipes	modestus	2
Peters Pond	06/18/1998	ECPTP08	Erpobdellidae	Mooreobdella	microstoma	3
Peters Pond	06/18/1998	ECPTP08	Ephemerellidae	Eurylophella sp.		3
Peters Pond	06/18/1998	ECPTP08	Corduliidae	Neurocordulia sp.		1
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Microchironomus	caelum	1
Peters Pond	06/18/1998	ECPTP08	Naididae	Stylaria	lacustris	1
Peters Pond	06/18/1998	ECPTP08	Talitridae	Hyalella	azteca	40
Peters Pond	06/18/1998	ECPTP08	Erpobdellidae	Mooreobdella	tetragon	1
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Ablabesmyia	parajanta	13
Peters Pond	06/18/1998	ECPTP08	Chironomidae	Parachironomus	abortivus	1
Peters Pond	06/18/1998	ECPTP08	Leptoceridae	Setodes sp.		1
Peters Pond	06/18/1998	ECPTP08	Macrothricidae	Ophryoxus	gracilis	3
Peters Pond	06/18/1998	ECPTP09	Erpobdellidae	Mooreobdella	fervida	3
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Ablabesmyia	parajanta	4
Peters Pond	06/18/1998	ECPTP09	Ceratopogonidae	Bezzia sp.		1
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Dicrotendipes	modestus	26

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Peters Pond	06/18/1998	ECPTP09	Pyrilidae	Petrophila sp.		1
Peters Pond	06/18/1998	ECPTP09		Anatonchus sp.		1
Peters Pond	06/18/1998	ECPTP09	Macrothricidae	Ophryoxus	gracilis	4
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Ablabesmyia	mallochi	1
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Chironomus	decorus	1
Peters Pond	06/18/1998	ECPTP09	Lumbriculidae	Eclipidrilus	lacustris	9
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Cryptochironomus	fulvus	4
Peters Pond	06/18/1998	ECPTP09	Talitridae	Hyaella	azteca	99
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Microchironomus	caelum	25
Peters Pond	06/18/1998	ECPTP09	Chironomidae	Tanytarsus	guerlus	3
Peters Pond	06/18/1998	ECPTP10	Asellidae	Caecidotea	communis	20
Peters Pond	06/18/1998	ECPTP10	Ephemeraidae	Hexagenia	limbata	1
Peters Pond	06/18/1998	ECPTP10	Macrothricidae	Ophryoxus	gracilis	8
Peters Pond	06/18/1998	ECPTP10	Naididae	Vejdovskyella	comata	1
Peters Pond	06/18/1998	ECPTP10	Lumbriculidae	Lumbriculus	variegatus	3
Peters Pond	06/18/1998	ECPTP10	Hydroptilidae	Hydroptila	consimilis	3
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Psectrocladius sp.		1
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Paratanytarsus sp.		9
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Cryptochironomus	fulvus	1
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Dicrotendipes	modestus	15
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Ablabesmyia	parajanta	1
Peters Pond	06/18/1998	ECPTP10	Sphaeriidae	Musculium sp.		1
Peters Pond	06/18/1998	ECPTP10	Lumbriculidae	Eclipidrilus	lacustris	6
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Parakiefferiella sp.		1
Peters Pond	06/18/1998	ECPTP10	Talitridae	Hyaella	azteca	98
Peters Pond	06/18/1998	ECPTP10		Hydrozetes sp.		1
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Paracladopelma sp.		1
Peters Pond	06/18/1998	ECPTP10	Corduliidae	Epicordulia sp.		2
Peters Pond	06/18/1998	ECPTP10	Cambaridae	cambaridae juvenile		1
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Microchironomus	caelum	10

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Peters Pond	06/18/1998	ECPTP10	Macromiidae	Macromia sp.		1
Peters Pond	06/18/1998	ECPTP10	Chironomidae	Tanytarsus	guerlus	3
Peters Pond	06/18/1998	ECPTP10	Erpobdellidae	Mooreobdella	microstoma	1
Peters Pond	06/18/1998	ECPTP11	Tubificidae	Limnodrilus	hoffmeisteri	1
Peters Pond	06/18/1998	ECPTP11	Chironomidae	Polypedilum	scalaenum	1
Peters Pond	06/18/1998	ECPTP11	Daphnidae	Moina	micrura	1
Peters Pond	06/18/1998	ECPTP11	Tubificidae	Ilyodrilus	templetoni	2
Peters Pond	06/18/1998	ECPTP11	Talitridae	Hyaella	azteca	3
Peters Pond	09/24/1998	ECPTP01	Talitridae	Hyaella	azteca	18
Peters Pond	09/24/1998	ECPTP01	Heptageniidae	Stenonema	tripunctatum	14
Peters Pond	09/24/1998	ECPTP01	Caenidae	Caenis sp.		2
Peters Pond	09/24/1998	ECPTP01	Ephemeridae	Hexagenia	limbata	1
Peters Pond	09/24/1998	ECPTP01	Macromiidae	Macromia sp.		1
Peters Pond	09/24/1998	ECPTP01	Enchytraeidae	Enchytraeus sp.		1
Peters Pond	09/24/1998	ECPTP01	Asellidae	Caecidotea	communis	2
Peters Pond	09/24/1998	ECPTP01	Chironomidae	Synorthocladius sp.		1
Peters Pond	09/24/1998	ECPTP01	Chironomidae	Tanytarsus	guerlus	2
Peters Pond	09/24/1998	ECPTP01	Ancylidae	Ferrissia	fragilis	1
Peters Pond	09/24/1998	ECPTP01	Sididae	Latona	setifera	6
Peters Pond	09/25/1998	ECPTP02	Sphaeriidae	Pisidium sp.		1
Peters Pond	09/25/1998	ECPTP02	Lumbriculidae	Eclipidrilus	lacustris	2
Peters Pond	09/25/1998	ECPTP02	Sididae	Latona	setifera	3
Peters Pond	09/25/1998	ECPTP02	Libellulidae	Leucorrhinia sp.		1
Peters Pond	09/25/1998	ECPTP02	Talitridae	Hyaella	azteca	5
Peters Pond	09/25/1998	ECPTP03	Chaoboridae	Chaoborus	punctipennis	1
Peters Pond	09/25/1998	ECPTP03	Tubificidae	Aulodrilus	pigreti	26
Peters Pond	09/25/1998	ECPTP03	Sphaeriidae	Pisidium sp.		9
Peters Pond	09/25/1998	ECPTP03	Asellidae	Caecidotea	communis	4
Peters Pond	09/25/1998	ECPTP03	Chironomidae	Microchironomus	caelum	1
Peters Pond	09/25/1998	ECPTP03	Chironomidae	Pagastiella sp.		1

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Peters Pond	09/25/1998	ECPTP03	Ephemeridae	Hexagenia	limbata	2
Peters Pond	09/25/1998	ECPTP03	Talitridae	Hyalella	azteca	13
Peters Pond	09/25/1998	ECPTP03	Heptageniidae	Stenonema	tripunctatum	1
Peters Pond	09/25/1998	ECPTP03	Chironomidae	Cladopelma sp.		1
Peters Pond	09/25/1998	ECPTP03	Chironomidae	Procladius	subletti	8
Peters Pond	09/25/1998	ECPTP03	Chironomidae	Parachironomus	frequens	4
Peters Pond	09/25/1998	ECPTP03	Sididae	Latona	setifera	10
Peters Pond	09/25/1998	ECPTP05	Leptoceridae	Setodes sp.		2
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Cricotopus	bicinctus	4
Peters Pond	09/25/1998	ECPTP05	Lumbriculidae	Eclipidrilus	lacustris	7
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Paratanytarsus sp.		1
Peters Pond	09/25/1998	ECPTP05	Ephemeridae	Hexagenia	limbata	2
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Heterotrissocladius sp.		2
Peters Pond	09/25/1998	ECPTP05	Physidae	Physella	heterostropha	2
Peters Pond	09/25/1998	ECPTP05	Pyalidae	Petrophila sp.		1
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Corynoneura	taris	1
Peters Pond	09/25/1998	ECPTP05	Erpobdellidae	Erpobdella	punctata	2
Peters Pond	09/25/1998	ECPTP05	Planorbidae	Menetus	dilatus	3
Peters Pond	09/25/1998	ECPTP05	Empididae	Hemerodromia sp.		2
Peters Pond	09/25/1998	ECPTP05	Planorbidae	Helisoma	anceps	1
Peters Pond	09/25/1998	ECPTP05		Dorylaimus sp.		1
Peters Pond	09/25/1998	ECPTP05	Naididae	Stylaria	lacustris	1
Peters Pond	09/25/1998	ECPTP05	Sphaeriidae	Musculium sp.		1
Peters Pond	09/25/1998	ECPTP05	Chaoboridae	Chaoborus	punctipennis	1
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Ablabesmyia	parajanta	1
Peters Pond	09/25/1998	ECPTP05	Chironomidae	Nanocladius	minimus	1
Peters Pond	09/25/1998	ECPTP05	Talitridae	Hyalella	azteca	195
Peters Pond	09/25/1998	ECPTP05	Macrothricidae	Ophryoxus	gracilis	1
Peters Pond	09/25/1998	ECPTP05	Macrothricidae	Acantholeberis	curvirostris	3
Peters Pond	09/25/1998	ECPTP05	Sididae	Latona	setifera	1

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Peters Pond	09/25/1998	ECPTP05	Chironomidae	Tanytarsus	guerlus	2
Peters Pond	09/25/1998	ECPTP10	Naididae	Slavina	appendiculata	2
Peters Pond	09/25/1998	ECPTP10	Tubificidae	Limnodrilus	hoffmeisteri	5
Peters Pond	09/25/1998	ECPTP10	Chironomidae	Dicrotendipes	modestus	3
Peters Pond	09/25/1998	ECPTP10	Chironomidae	Procladius	subletti	1
Peters Pond	09/25/1998	ECPTP10	Chironomidae	Psectrocladius sp.		1
Peters Pond	09/25/1998	ECPTP10	Chironomidae	Cladotanytarsus sp.		1
Peters Pond	09/25/1998	ECPTP10	Planariidae	Dugesia	trigina	1
Peters Pond	09/25/1998	ECPTP10	Naididae	Ripistes	parasita	1
Peters Pond	09/25/1998	ECPTP10	Talitridae	Hyaella	azteca	8
Peters Pond	09/25/1998	ECPTP10	Ceratopogonidae	Bezzia sp.		1
Peters Pond	09/25/1998	ECPTP10	Naididae	Dero	digitata	5
Peters Pond	09/25/1998	ECPTP10	Asellidae	Caecidotea	communis	5
Peters Pond	09/25/1998	ECPTP10	Lumbriculidae	Eclipidrilus	lacustris	1
Peters Pond	09/25/1998	ECPTP10	Tubificidae	Ilyodrilus	templetoni	1
Peters Pond	09/25/1998	ECPTP11	Tubificidae	Ilyodrilus	templetoni	1
Peters Pond	09/25/1998	ECPTP11	Chironomidae	Glyptotendipes	lobiferus	1
Peters Pond	09/25/1998	ECPTP11	Ancylidae	Ferrissia	fragilis	5
Peters Pond	09/25/1998	ECPTP11	Talitridae	Hyaella	azteca	62
Peters Pond	09/25/1998	ECPTP11	Chaoboridae	Chaoborus	punctipennis	1
Peters Pond	09/25/1998	ECPTP11	Chironomidae	Tanytarsus	guerlus	2
Peters Pond	09/25/1998	ECPTP11	Erpobdellidae	Mooreobdella	microstoma	1
Peters Pond	09/25/1998	ECPTP11	Tubificidae	Aulodrilus	pigreti	1
Peters Pond	09/25/1998	ECPTP11	Hydroptilidae	Hydroptila	armata	1
Peters Pond	09/25/1998	ECPTP11	Heptageniidae	Stenonema	tripunctatum	3
Snake Pond	06/15/1998	ECSNP02	Chironomidae	Dicrotendipes	modestus	2
Snake Pond	06/15/1998	ECSNP02	Chironomidae	Nilothauma	babiyi	1
Snake Pond	06/15/1998	ECSNP02	Prostomatidae	Prostoma	graecense	2
Snake Pond	06/15/1998	ECSNP02	Lumbriculidae	Lumbriculus	variegatus	3
Snake Pond	06/15/1998	ECSNP02	Sphaeriidae	Pisidium sp.		1

<i>Study Area</i>	<i>Collection Date</i>	<i>Location</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>Number</i>
Snake Pond	06/15/1998	ECSNP02	Chironomidae	Zalutschia sp.		9
Snake Pond	06/15/1998	ECSNP02	Chironomidae	Tanytarsus	guerlus	1
Snake Pond	06/15/1998	ECSNP02	Hydrobiidae	Amnicola	limosa	2
Snake Pond	06/15/1998	ECSNP02	Lumbriculidae	Eclipidrilus	lacustris	6
Snake Pond	06/15/1998	ECSNP03	Chironomidae	Tanypus sp.		1
Snake Pond	06/15/1998	ECSNP03	Daphnidae	Daphnia	pulex	1
Snake Pond	06/15/1998	ECSNP03	Tubificidae	Aulodrilus	pigreti	3
Snake Pond	06/15/1998	ECSNP03	Chironomidae	Pentaneura sp.		1
Snake Pond	06/15/1998	ECSNP03		Aulolaimoides sp.		1
Snake Pond	06/15/1998	ECSNP03	Chironomidae	Dicrotendipes	modestus	1
Snake Pond	06/15/1998	ECSNP03	Chironomidae	Zalutschia sp.		172
Snake Pond	06/15/1998	ECSNP03	Chironomidae	Chironomus	decorus	1
Snake Pond	06/15/1998	ECSNP06	Chironomidae	Chironomus	decorus	1
Snake Pond	06/15/1998	ECSNP06	Chironomidae	Pseudochironomus sp.		1
Snake Pond	06/15/1998	ECSNP06	Chironomidae	Zalutschia sp.		18
Snake Pond	06/15/1998	ECSNP06	Chironomidae	Cladotanytarsus sp.		1
Snake Pond	06/15/1998	ECSNP07	Sphaeriidae	Musculium sp.		13
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Tanytarsus	guerlus	1
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Nilothauma	babiyi	1
Snake Pond	06/15/1998	ECSNP07		Alaimus sp.		1
Snake Pond	06/15/1998	ECSNP07	Lumbriculidae	Eclipidrilus	lacustris	1
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Tribelos	jucundus	1
Snake Pond	06/15/1998	ECSNP07	Unionicolidae	Neumania sp.		1
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Chironomus	decorus	1
Snake Pond	06/15/1998	ECSNP07	Pyralidae	Petrophila sp.		2
Snake Pond	06/15/1998	ECSNP07	Talitridae	Hyalella	azteca	1
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Ablabesmyia	parajanta	6
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Microchironomus	caelum	1
Snake Pond	06/15/1998	ECSNP07	Corduliidae	Somatochlora sp.		1
Snake Pond	06/15/1998	ECSNP07	Hydrobiidae	Amnicola	walkeri	1

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Snake Pond	06/15/1998	ECSNP07	Macromiidae	Macromia sp.		1
Snake Pond	06/15/1998	ECSNP07	Sphaeriidae	Pisidium sp.		3
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Dicrotendipes	modestus	3
Snake Pond	06/15/1998	ECSNP07	Lumbriculidae	Lumbriculus	variegatus	1
Snake Pond	06/15/1998	ECSNP07	Tubificidae	Ilyodrilus	templetoni	1
Snake Pond	06/15/1998	ECSNP07	Chironomidae	Procladius	subletti	5
Snake Pond	06/15/1998	ECSNP08	Tubificidae	Limnodrilus	hoffmeisteri	1
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Krenopelopia sp.		1
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Zalutschia sp.		3
Snake Pond	06/15/1998	ECSNP08	Sphaeriidae	Musculium sp.		4
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Dicrotendipes	modestus	5
Snake Pond	06/15/1998	ECSNP08	Talitridae	Hyalella	azteca	12
Snake Pond	06/15/1998	ECSNP08	Ceratopogonidae	Probezzia sp.		1
Snake Pond	06/15/1998	ECSNP08	Sphaeriidae	Pisidium sp.		2
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Paratanytarsus sp.		3
Snake Pond	06/15/1998	ECSNP08	Macrothricidae	Ophryoxus	gracilis	1
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Ablabesmyia	parajanta	2
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Ablabesmyia	philosphagnos	1
Snake Pond	06/15/1998	ECSNP08	Caenidae	Caenis sp.		2
Snake Pond	06/15/1998	ECSNP08	Physidae	Physella	heterostropha	7
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Polypedilum	scalaenum	1
Snake Pond	06/15/1998	ECSNP08	Corduliidae	Neurocordulia sp.		1
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Tanytarsus	guerlus	1
Snake Pond	06/15/1998	ECSNP08	Chironomidae	Chironomus	decorus	5
Snake Pond	06/15/1998	ECSNP08		Alaimus sp.		1
Snake Pond	06/15/1998	ECSNP12	Chironomidae	Parachironomus	frequens	1
Snake Pond	06/15/1998	ECSNP12	Daphnidae	Daphnia	pulex	1
Snake Pond	06/15/1998	ECSNP12	Chironomidae	Tanytarsus	guerlus	4
Snake Pond	06/15/1998	ECSNP12	Ephemeraidae	Hexagenia	limbata	1
Snake Pond	06/15/1998	ECSNP12	Chironomidae	Zalutschia sp.		5

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Snake Pond	06/15/1998	ECSNP13	Chironomidae	Chironomus	decorus	1
Snake Pond	06/15/1998	ECSNP13	Tubificidae	Limnodrilus	hoffmeisteri	2
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Cryptochironomus	fulvus	2
Snake Pond	06/15/1998	ECSNP13		Alaimus sp.		2
Snake Pond	06/15/1998	ECSNP13	Arrenuridae	Arrenurus sp.		1
Snake Pond	06/15/1998	ECSNP13	Hydrobiidae	Amnicola	limosa	1
Snake Pond	06/15/1998	ECSNP13	Leptoceridae	Oecetis	inconspicua	3
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Procladius	subletti	2
Snake Pond	06/15/1998	ECSNP13	Ephemeraidae	Hexagenia	limbata	2
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Cladotanytarsus sp.		1
Snake Pond	06/15/1998	ECSNP13	Talitridae	Hyalella	azteca	3
Snake Pond	06/15/1998	ECSNP13	Ceratopogonidae	Bezzia sp.		1
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Ablabesmyia	parajanta	3
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Zalutschia sp.		26
Snake Pond	06/15/1998	ECSNP13	Chironomidae	Ablabesmyia	annulata	1
Snake Pond	06/15/1998	ECSNP14	Chironomidae	Labrundinia	pilosella	1
Snake Pond	06/15/1998	ECSNP14	Chironomidae	Procladius	subletti	1
Snake Pond	06/15/1998	ECSNP14	Chironomidae	Cladotanytarsus sp.		1
Snake Pond	06/15/1998	ECSNP14	Chironomidae	Zalutschia sp.		4
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Chironomus	tentans	3
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Cryptochironomus	fulvus	2
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Cladotanytarsus sp.		3
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Tanytarsus	guerlus	10
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Dicrotendipes	modestus	1
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Zalutschia sp.		78
Snake Pond	06/15/1998	ECSNP15	Talitridae	Hyalella	azteca	3
Snake Pond	06/15/1998	ECSNP15	Ceratopogonidae	Probezzia sp.		1
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Procladius	subletti	4
Snake Pond	06/15/1998	ECSNP15	Sphaeriidae	Pisidium sp.		1
Snake Pond	06/15/1998	ECSNP15	Chironomidae	Harnischia	curtilamellata	1

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Snake Pond	06/15/1998	ECSNP16	Chironomidae	Cryptotendipes sp.		1
Snake Pond	06/15/1998	ECSNP16	Tubificidae	Limnodrilus	hoffmeisteri	1
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Cryptochironomus	fulvus	5
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Cladotanytarsus sp.		9
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Procladius	subletti	5
Snake Pond	06/15/1998	ECSNP16	Talitridae	Hyalella	azteca	4
Snake Pond	06/15/1998	ECSNP16	Ephemeridae	Hexagenia	limbata	2
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Tanytarsus	guerlus	2
Snake Pond	06/15/1998	ECSNP16	Leptoceridae	Oecetis	inconspicua	2
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Zalutschia sp.		65
Snake Pond	06/15/1998	ECSNP16	Sphaeriidae	Pisidium sp.		1
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Microchironomus	caelum	1
Snake Pond	06/15/1998	ECSNP16	Planariidae	Dugesia	trigina	1
Snake Pond	06/15/1998	ECSNP16	Lumbriculidae	Lumbriculus	variegatus	1
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Parachironomus	frequens	3
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Ablabesmyia	annulata	1
Snake Pond	06/15/1998	ECSNP16	Daphnidae	Daphnia	pulex	1
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Paralauterborniella sp.		2
Snake Pond	06/15/1998	ECSNP16	Chironomidae	emicryptochironomus s		1
Snake Pond	06/15/1998	ECSNP16	Chironomidae	Parachironomus	abortivus	1
Snake Pond	09/21/1998	ECSNP03		Alaimus sp.		1
Snake Pond	09/21/1998	ECSNP03	Chironomidae	Zalutschia sp.		102
Snake Pond	09/21/1998	ECSNP03	Chaoboridae	Chaoborus	punctipennis	12
Snake Pond	09/21/1998	ECSNP06	Chironomidae	Procladius	subletti	1
Snake Pond	09/21/1998	ECSNP06	Chaoboridae	Chaoborus	punctipennis	5
Snake Pond	09/21/1998	ECSNP06	Chironomidae	Zalutschia sp.		89
Snake Pond	09/21/1998	ECSNP06	Chironomidae	Zalutschia sp.		4
Snake Pond	09/21/1998	ECSNP07	Talitridae	Hyalella	azteca	2
Snake Pond	09/21/1998	ECSNP07	Naididae	Dero	digitata	2
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Ablabesmyia	parajanta	1

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Snake Pond	09/21/1998	ECSNP08	Chironomidae	Paratanytarsus sp.		5
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Cricotopus	bicinctus	10
Snake Pond	09/21/1998	ECSNP08	Talitridae	Hyalella	azteca	19
Snake Pond	09/21/1998	ECSNP08	Sphaeriidae	Musculium sp.		9
Snake Pond	09/21/1998	ECSNP08	Lumbriculidae	Eclipidrilus	lacustris	2
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Chironomus	decorus	11
Snake Pond	09/21/1998	ECSNP08	Corduliidae	Neurocordulia sp.		1
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Tanytarsus	guerlus	5
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Procladius	subletti	3
Snake Pond	09/21/1998	ECSNP08	Ceratopogonidae	Dasyhelea sp.		2
Snake Pond	09/21/1998	ECSNP08	Hydrobiidae	Amnicola	limosa	1
Snake Pond	09/21/1998	ECSNP08	Naididae	Dero	digitata	5
Snake Pond	09/21/1998	ECSNP08	Sphaeriidae	Pisidium sp.		5
Snake Pond	09/21/1998	ECSNP08	Caenidae	Caenis sp.		1
Snake Pond	09/21/1998	ECSNP08	Planorbidae	Menetus	dilatus	1
Snake Pond	09/21/1998	ECSNP08	Chironomidae	Dicrotendipes	modestus	1
Snake Pond	09/21/1998	ECSNP12	Sphaeriidae	Pisidium sp.		1
Snake Pond	09/21/1998	ECSNP12	Viviparidae	Viviparus	georgianus	3
Snake Pond	09/21/1998	ECSNP12	Hydrobiidae	Amnicola	limosa	3
Snake Pond	09/21/1998	ECSNP12		Cryptonchus sp.		1
Snake Pond	09/21/1998	ECSNP12	Chironomidae	Psectrocladius sp.		1
Snake Pond	09/21/1998	ECSNP12		Alaimus sp.		2
Snake Pond	09/21/1998	ECSNP12	Chironomidae	Dicrotendipes	modestus	1
Snake Pond	09/21/1998	ECSNP12	Ceratopogonidae	Bezzia sp.		1
Snake Pond	09/21/1998	ECSNP12	Chironomidae	Cryptochironomus	fulvus	2
Snake Pond	09/21/1998	ECSNP12	Chironomidae	Zalutschia sp.		23
Snake Pond	09/21/1998	ECSNP12	Chironomidae	Procladius	subletti	2
Snake Pond	09/21/1998	ECSNP12	Hydrobiidae	Amnicola	walkeri	2
Snake Pond	09/21/1998	ECSNP12	Prostomatidae	Prostoma	graecense	1
Snake Pond	09/21/1998	ECSNP13	Ephemeraidae	Hexagenia	limbata	1

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Snake Pond	09/21/1998	ECSNP13	Naididae	Dero	digitata	2
Snake Pond	09/21/1998	ECSNP13	Tubificidae	Ilyodrilus	templetoni	3
Snake Pond	09/21/1998	ECSNP13	Chironomidae	Paralauterborniella	sp.	1
Snake Pond	09/21/1998	ECSNP13	Unionidae	Elliptio	complanata	2
Snake Pond	09/21/1998	ECSNP13	Viviparidae	Viviparus	georgianus	1
Snake Pond	09/21/1998	ECSNP13	Chironomidae	Parachironomus	abortivus	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Tanytarsus	guerlus	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Zalutschia	sp.	8
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Stictochironomus	sp.	1
Snake Pond	09/21/1998	ECSNP14	Sphaeriidae	Pisidium	sp.	15
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Cladotanytarsus	sp.	1
Snake Pond	09/21/1998	ECSNP14	Unionidae	Elliptio	complanata	1
Snake Pond	09/21/1998	ECSNP14	Prostomatidae	Prostoma	graecense	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Procladius	subletti	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Psectrocladius	sp.	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Pseudochironomus	sp.	1
Snake Pond	09/21/1998	ECSNP14	Chironomidae	Nanocladius	crassicornus	1
Snake Pond	09/21/1998	ECSNP14	Erpobdellidae	Erpobdella	punctata	1
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Ablabesmyia	parajanta	1
Snake Pond	09/21/1998	ECSNP15	Ephemeridae	Hexagenia	limbata	1
Snake Pond	09/21/1998	ECSNP15	Lumbriculidae	Eclipidrilus	lacustris	1
Snake Pond	09/21/1998	ECSNP15	Sphaeriidae	Pisidium	sp.	4
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Procladius	subletti	1
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Zalutschia	sp.	3
Snake Pond	09/21/1998	ECSNP15	Hydrobiidae	Amnicola	limosa	2
Snake Pond	09/21/1998	ECSNP15	Macromiidae	Didymops	sp.	1
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Pseudochironomus	sp.	1
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Cryptochironomus	fulvus	2
Snake Pond	09/21/1998	ECSNP15	Chironomidae	Cladotanytarsus	sp.	2
Snake Pond	09/21/1998	ECSNP15	Prostomatidae	Prostoma	graecense	1

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Snake Pond	09/21/1998	ECSNP15	Talitridae	Hyalella	azteca	1
Snake Pond	09/21/1998	ECSNP16	Tubificidae	Rhyacodrilus	coccineus	1
Snake Pond	09/21/1998	ECSNP16	Sphaeriidae	Pisidium sp.		2
Snake Pond	09/21/1998	ECSNP16	Chironomidae	Tanytarsus	guerlus	1
Snake Pond	09/21/1998	ECSNP16	Chironomidae	Zalutschia sp.		50
Snake Pond	09/22/1998	ECSNP02	No Organisms Found			0
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Dicrotendipes	modestus	1
Triangle Pond	06/15/1998	ECTRP01	Hydroptilidae	Oxyethira sp.		1
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Parachironomus	abortivus	1
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Zalutschia sp.		4
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Paralauterborniella sp.		1
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Cryptotendipes sp.		1
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Ablabesmyia	parajanta	3
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Paratanytarsus sp.		1
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Microchironomus	caelum	1
Triangle Pond	06/15/1998	ECTRP01	Hydrobiidae	Amnicola	limosa	21
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Tanytarsus	guerlus	4
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Procladius	subletti	2
Triangle Pond	06/15/1998	ECTRP01	Chironomidae	Lauterborniella sp.		1
Triangle Pond	06/15/1998	ECTRP04	Planariidae	Dugesia	trigina	1
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Cryptotendipes sp.		2
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Chironomus	decorus	14
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Paratanytarsus sp.		1
Triangle Pond	06/15/1998	ECTRP04	Sphaeriidae	Pisidium sp.		16
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Microchironomus	caelum	5
Triangle Pond	06/15/1998	ECTRP04	Arrenuridae	Arrenurus sp.		1
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Ablabesmyia sp.		1
Triangle Pond	06/15/1998	ECTRP04	Planorbidae	Menetus	dilatus	2
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Ablabesmyia	parajanta	4
Triangle Pond	06/15/1998	ECTRP04	Chironomidae	Procladius	subletti	4

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Triangle Pond	06/15/1998	ECTRP04	Leptoceridae	Nectopsyche	sp.	1
Triangle Pond	06/15/1998	ECTRP04	Hydrobiidae	Amnicola	limosa	6
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Dicrotendipes	modestus	1
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Zalutschia	sp.	6
Triangle Pond	06/15/1998	ECTRP06	Tubificidae	Limnodrilus	hoffmeisteri	2
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Procladius	subletti	5
Triangle Pond	06/15/1998	ECTRP06	Ephemeridae	Hexagenia	limbata	1
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Stempellina	sp.	4
Triangle Pond	06/15/1998	ECTRP06	Chaoboridae	Chaoborus	punctipennis	1
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Cryptotendipes	sp.	2
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Pseudochironomus	sp.	1
Triangle Pond	06/15/1998	ECTRP06	Chironomidae	Paralauterborniella	sp.	2
Triangle Pond	06/16/1998	ECTRP02	Sphaeriidae	Musculium	sp.	9
Triangle Pond	06/16/1998	ECTRP02	Caenidae	Caenis	sp.	2
Triangle Pond	06/16/1998	ECTRP02	Planariidae	Dugesia	trigina	1
Triangle Pond	06/16/1998	ECTRP02	Pyrilidae	Petrophila	sp.	6
Triangle Pond	06/16/1998	ECTRP02	Chironomidae	Microchironomus	caelum	1
Triangle Pond	06/16/1998	ECTRP02	Hydrobiidae	Amnicola	limosa	13
Triangle Pond	06/16/1998	ECTRP02	Chironomidae	Polypedilum	scalaenum	2
Triangle Pond	06/16/1998	ECTRP02	Naididae	Stylaria	lacustris	1
Triangle Pond	06/16/1998	ECTRP02	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	06/16/1998	ECTRP02	Prostomatidae	Prostoma	graecense	4
Triangle Pond	06/16/1998	ECTRP02	Chironomidae	Procladius	subletti	3
Triangle Pond	06/16/1998	ECTRP02	Lumbriculidae	Eclipidrilus	lacustris	1
Triangle Pond	06/16/1998	ECTRP02	Chironomidae	Cryptochironomus	fulvus	1
Triangle Pond	06/16/1998	ECTRP02	Polycentropodidae	Polycentropus	rematus	5
Triangle Pond	06/16/1998	ECTRP02	Pyrilidae	Petrophila	sp.	3
Triangle Pond	06/16/1998	ECTRP02	Lumbriculidae	Lumbriculus	variegatus	1
Triangle Pond	06/16/1998	ECTRP02	Macrothricidae	Ophryoxus	gracilis	2
Triangle Pond	06/16/1998	ECTRP03	Hydrobiidae	Amnicola	limosa	10

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Triangle Pond	06/16/1998	ECTRP03	Polycentropodidae	Polycentropus	rematus	6
Triangle Pond	06/16/1998	ECTRP03	Pyrilidae	Petrophila sp.		2
Triangle Pond	06/16/1998	ECTRP03	Chironomidae	Parachironomus	abortivus	1
Triangle Pond	06/16/1998	ECTRP03	Naididae	Stylaria	lacustris	4
Triangle Pond	06/16/1998	ECTRP03	Ephemerellidae	Eurylophella sp.		1
Triangle Pond	06/16/1998	ECTRP03	Chironomidae	Procladius	subletti	1
Triangle Pond	06/16/1998	ECTRP03	Planorbidae	Menetus	dilatus	1
Triangle Pond	06/16/1998	ECTRP03		Hydrozetes sp.		1
Triangle Pond	06/16/1998	ECTRP03	Chironomidae	Nanocladius	crassicornus	1
Triangle Pond	06/16/1998	ECTRP03	Sphaeriidae	Pisidium sp.		1
Triangle Pond	06/16/1998	ECTRP03	Lumbriculidae	Eclipidrilus	lacustris	3
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	06/16/1998	ECTRP10	Sphaeriidae	Pisidium sp.		15
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Cryptotendipes sp.		1
Triangle Pond	06/16/1998	ECTRP10	Tubificidae	Limnodrilus	hoffmeisteri	7
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Cryptochironomus	fulvus	2
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Polypedilum	scalaenum	4
Triangle Pond	06/16/1998	ECTRP10	Ceratopogonidae	Probezzia sp.		3
Triangle Pond	06/16/1998	ECTRP10	Tubificidae	Aulodrilus	americanus	1
Triangle Pond	06/16/1998	ECTRP10	Tubificidae	Ilyodrilus	templetoni	3
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Psectrocladius sp.		1
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Stictochironomus sp.		1
Triangle Pond	06/16/1998	ECTRP10	Ephemeridae	Hexagenia	limbata	3
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Chironomus	decorus	1
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Tanytarsus	guerlus	1
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Zalutschia sp.		2
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Chironomidae		1
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Procladius	subletti	3
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Pagastiella sp.		1
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Microchironomus	caelum	2

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Triangle Pond	06/16/1998	ECTRP10	Sphaeriidae	Musculium sp.		5
Triangle Pond	06/16/1998	ECTRP10	Chironomidae	Pentaneura sp.		1
Triangle Pond	06/16/1998	ECTRP10	Hydrobiidae	Amnicola	limosa	3
Triangle Pond	06/16/1998	ECTRP11	Naididae	Slavina	appendiculata	1
Triangle Pond	06/16/1998	ECTRP11	Tubificidae	Ilyodrilus	templetoni	9
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	06/16/1998	ECTRP11		Limnocythere	reticulata	1
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Cryptochironomus	fulvus	1
Triangle Pond	06/16/1998	ECTRP11		Hydrozetes sp.		1
Triangle Pond	06/16/1998	ECTRP11	Lumbriculidae	Eclipidrilus	lacustris	1
Triangle Pond	06/16/1998	ECTRP11	Tubificidae	Rhyacodrilus	coccineus	3
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Procladius	subletti	3
Triangle Pond	06/16/1998	ECTRP11	Hydrobiidae	Amnicola	limosa	16
Triangle Pond	06/16/1998	ECTRP11	Hydroptilidae	Hydroptila	armata	1
Triangle Pond	06/16/1998	ECTRP11	Halplidae	Halplus sp.		1
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Chironomus	decorus	2
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Parachironomus	abortivus	1
Triangle Pond	06/16/1998	ECTRP11	Naididae	Stylaria	lacustris	1
Triangle Pond	06/16/1998	ECTRP11	Sphaeriidae	Pisidium sp.		1
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Tanytarsus	guerlus	3
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Microchironomus	caelum	5
Triangle Pond	06/16/1998	ECTRP11	Chironomidae	Zalutschia sp.		1
Triangle Pond	06/16/1998	ECTRP11	Tubificidae	Limnodrilus	hoffmeisteri	1
Triangle Pond	06/16/1998	ECTRP12	Sphaeriidae	Musculium sp.		1
Triangle Pond	06/16/1998	ECTRP12	Coenagrionidae	Enallagma sp.		1
Triangle Pond	06/16/1998	ECTRP12	Chironomidae	Procladius	subletti	2
Triangle Pond	06/16/1998	ECTRP12	Hydrobiidae	Amnicola	limosa	15
Triangle Pond	06/16/1998	ECTRP12	Sphaeriidae	Pisidium sp.		2
Triangle Pond	06/16/1998	ECTRP12	Chironomidae	Paratanytarsus sp.		1
Triangle Pond	06/16/1998	ECTRP12	Unionidae	Lasmigona	compressa	1

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Triangle Pond	06/16/1998	ECTRP12	Polycentropodidae	Polycentropus	rematus	1
Triangle Pond	06/16/1998	ECTRP13	Chironomidae	Procladius	subletti	2
Triangle Pond	06/16/1998	ECTRP13	Lumbriculidae	Eclipidrilus	lacustris	2
Triangle Pond	06/16/1998	ECTRP13	Sphaeriidae	Pisidium sp.		6
Triangle Pond	06/16/1998	ECTRP13	Chironomidae	Tanytarsus	guerlus	1
Triangle Pond	06/16/1998	ECTRP13	Arrenuridae	Arrenurus sp.		1
Triangle Pond	06/16/1998	ECTRP13	Chironomidae	Paralauterborniella sp.		1
Triangle Pond	06/16/1998	ECTRP13	Tubificidae	Limnodrilus	hoffmeisteri	2
Triangle Pond	06/16/1998	ECTRP13	Chironomidae	Ablabesmyia	parajanta	4
Triangle Pond	06/16/1998	ECTRP13	Chironomidae	Dicrotendipes	modestus	4
Triangle Pond	06/16/1998	ECTRP13	Hydrobiidae	Amnicola	limosa	18
Triangle Pond	06/16/1998	ECTRP14	Hydrobiidae	Amnicola	limosa	20
Triangle Pond	06/16/1998	ECTRP14	Planariidae	Cura	foremanii	1
Triangle Pond	06/16/1998	ECTRP14	Sphaeriidae	Pisidium sp.		3
Triangle Pond	06/16/1998	ECTRP14	Chironomidae	Dicrotendipes	modestus	1
Triangle Pond	06/16/1998	ECTRP14	Naididae	Stylaria	lacustris	4
Triangle Pond	06/16/1998	ECTRP14	Ephemerellidae	Eurylophella sp.		1
Triangle Pond	06/16/1998	ECTRP14	Planorbidae	Menetus	dilatus	2
Triangle Pond	06/16/1998	ECTRP14	Lumbriculidae	Eclipidrilus	lacustris	2
Triangle Pond	06/16/1998	ECTRP14	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	09/21/1998	ECTRP01	Tubificidae	Limnodrilus	hoffmeisteri	5
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Tanytarsus	guerlus	2
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Microchironomus	caelum	1
Triangle Pond	09/21/1998	ECTRP01	Hydroptilidae	Oxyethira sp.		3
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Chironomus	decorus	8
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Zalutschia sp.		1
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Cladopelma sp.		1
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Dicrotendipes	modestus	2
Triangle Pond	09/21/1998	ECTRP01	Hydrobiidae	Amnicola	limosa	10

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Triangle Pond	09/21/1998	ECTRP01	Sialidae	Sialis sp.		1
Triangle Pond	09/21/1998	ECTRP01	Pyalidae	Petrophila sp.		1
Triangle Pond	09/21/1998	ECTRP01	Tubificidae	Ilyodrilus	templetoni	1
Triangle Pond	09/21/1998	ECTRP01	Chironomidae	Paratanytarsus sp.		1
Triangle Pond	09/21/1998	ECTRP01	Ceratopogonidae	Probezzia sp.		3
Triangle Pond	09/21/1998	ECTRP01		Alaimus sp.		8
Triangle Pond	09/21/1998	ECTRP01	Polycentropodidae	Polycentropus	rematus	1
Triangle Pond	09/21/1998	ECTRP05	Chaoboridae	Chaoborus	punctipennis	5
Triangle Pond	09/21/1998	ECTRP06	Chaoboridae	Chaoborus	punctipennis	2
Triangle Pond	09/21/1998	ECTRP06	Tubificidae	Limnodrilus	hoffmeisteri	1
Triangle Pond	09/21/1998	ECTRP06	Naididae	Dero	digitata	1
Triangle Pond	09/21/1998	ECTRP06	Chironomidae	Zalutschia sp.		1
Triangle Pond	09/22/1998	ECTRP02	Naididae	Dero	digitata	3
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Dicrotendipes	modestus	8
Triangle Pond	09/22/1998	ECTRP02	Planariidae	Dugesia	trigina	2
Triangle Pond	09/22/1998	ECTRP02	Naididae	Uncinaiis	uncinata	1
Triangle Pond	09/22/1998	ECTRP02	Ephemeridae	Hexagenia	limbata	1
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Paralauterborniella sp.		1
Triangle Pond	09/22/1998	ECTRP02	Sphaeriidae	Musculium sp.		8
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Chironomus	decorus	3
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Tanytarsus	guerlus	31
Triangle Pond	09/22/1998	ECTRP02	Hydrobiidae	Amnicola	limosa	32
Triangle Pond	09/22/1998	ECTRP02	Polycentropodidae	Polycentropus	rematus	1
Triangle Pond	09/22/1998	ECTRP02	Ceratopogonidae	Probezzia sp.		1
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Pseudochironomus sp.		26
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Psectrocladius sp.		1
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Tribelos	jucundus	3
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Chironomid	pupa	2
Triangle Pond	09/22/1998	ECTRP02	Chironomidae	Cryptochironomus	fulvus	1
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Chironomus	decorus	19

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Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Procladius	subletti	11
Triangle Pond	09/22/1998	ECTRP03	Ceratopogonidae	Probezzia sp.		2
Triangle Pond	09/22/1998	ECTRP03	Hydrobiidae	Amnicola	limosa	21
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Tanytarsus	guerlus	8
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Chironomid	pupa	1
Triangle Pond	09/22/1998	ECTRP03	Sphaeriidae	Musculium sp.		3
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Paralauterborniella sp.		4
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Cryptotendipes sp.		1
Triangle Pond	09/22/1998	ECTRP03		Anatonthus sp.		1
Triangle Pond	09/22/1998	ECTRP03	Chironomidae	Ablabesmyia	annulata	1
Triangle Pond	09/22/1998	ECTRP03	Unionidae	Lasmigona	compressa	1
Triangle Pond	09/22/1998	ECTRP03	Unionicolidae	Unionicola sp.		1
Triangle Pond	09/22/1998	ECTRP03	Ephemeridae	Hexagenia	limbata	1
Triangle Pond	09/22/1998	ECTRP04	Tubificidae	Limnodrilus	hoffmeisteri	2
Triangle Pond	09/22/1998	ECTRP04	Chironomidae	Zalutschia sp.		12
Triangle Pond	09/22/1998	ECTRP04	Sialidae	Sialis sp.		4
Triangle Pond	09/22/1998	ECTRP04	Chironomidae	Cladotanytarsus sp.		1
Triangle Pond	09/22/1998	ECTRP04	Chaoboridae	Chaoborus	punctipennis	1
Triangle Pond	09/22/1998	ECTRP04	Hydrobiidae	Amnicola	limosa	7
Triangle Pond	09/22/1998	ECTRP04	Chironomidae	Procladius	subletti	2
Triangle Pond	09/22/1998	ECTRP04	Chironomidae	Parachironomus	frequens	1
Triangle Pond	09/22/1998	ECTRP04	Naididae	Dero	digitata	1
Triangle Pond	09/22/1998	ECTRP10	Prostomatidae	Prostoma	graecense	2
Triangle Pond	09/22/1998	ECTRP10	Ephemeridae	Hexagenia	limbata	2
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Chironomid	pupa	1
Triangle Pond	09/22/1998	ECTRP10	Lumbriculidae	Eclipidrilus	lacustris	4
Triangle Pond	09/22/1998	ECTRP10	Coenagrionidae	Enallagma sp.		1
Triangle Pond	09/22/1998	ECTRP10	Sphaeriidae	Pisidium sp.		1
Triangle Pond	09/22/1998	ECTRP10	Hydroptilidae	Oxyethira sp.		5
Triangle Pond	09/22/1998	ECTRP10	Hydrobiidae	Amnicola	limosa	16

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Triangle Pond	09/22/1998	ECTRP10	Ceratopogonidae	Probezzia sp.		4
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Procladius	subletti	2
Triangle Pond	09/22/1998	ECTRP10	Tubificidae	Ilyodrilus	templetoni	3
Triangle Pond	09/22/1998	ECTRP10	Unionidae	Lasmigona	compressa	1
Triangle Pond	09/22/1998	ECTRP10	Glossiphoniidae	Batracobdella	phalera	2
Triangle Pond	09/22/1998	ECTRP10	Leptoceridae	Nectopsyche sp.		1
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Tribelos	jucundus	3
Triangle Pond	09/22/1998	ECTRP10	Polycentropodidae	Polycentropus	rematus	1
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Cladopelma sp.		1
Triangle Pond	09/22/1998	ECTRP10	Tubificidae	Limnodrilus	hoffmeisteri	5
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Ablabesmyia	annulata	2
Triangle Pond	09/22/1998	ECTRP10	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	09/22/1998	ECTRP11	Chironomidae	Zalutschia sp.		2
Triangle Pond	09/22/1998	ECTRP11	Naididae	Dero	digitata	10
Triangle Pond	09/22/1998	ECTRP11	Naididae	Stylaria	lacustris	1
Triangle Pond	09/22/1998	ECTRP11	Hydrobiidae	Amnicola	limosa	3
Triangle Pond	09/22/1998	ECTRP11	Sphaeriidae	Pisidium sp.		1
Triangle Pond	09/22/1998	ECTRP11	Chironomidae	Tanytarsus	guerlus	2
Triangle Pond	09/22/1998	ECTRP11	Tubificidae	Ilyodrilus	templetoni	2
Triangle Pond	09/22/1998	ECTRP11	Chironomidae	Coelotanypus	concinus	1
Triangle Pond	09/22/1998	ECTRP11	Hydroptilidae	Oxyethira sp.		1
Triangle Pond	09/22/1998	ECTRP11	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	09/22/1998	ECTRP12	Polycentropodidae	Polycentropus	rematus	1
Triangle Pond	09/22/1998	ECTRP12	Ephemeridae	Hexagenia	limbata	4
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Procladius	subletti	4
Triangle Pond	09/22/1998	ECTRP12	Unionidae	Lasmigona	compressa	1
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Chironomus	decorus	3
Triangle Pond	09/22/1998	ECTRP12	Ceratopogonidae	Probezzia sp.		4
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Cladopelma sp.		1
Triangle Pond	09/22/1998	ECTRP12	Naididae	Dero	digitata	1

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Triangle Pond	09/22/1998	ECTRP12	Physidae	Physella	heterostropha	1
Triangle Pond	09/22/1998	ECTRP12	Pyrilidae	Petrophila sp.		2
Triangle Pond	09/22/1998	ECTRP12	Sphaeriidae	Pisidium sp.		8
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Ablabesmyia	mallochi	1
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Ablabesmyia	parajanta	2
Triangle Pond	09/22/1998	ECTRP12	Chironomidae	Tanytarsus	guerlus	6
Triangle Pond	09/22/1998	ECTRP12	Hydrobiidae	Amnicola	limosa	28
Triangle Pond	09/22/1998	ECTRP12	Tubificidae	Limnodrilus	hoffmeisteri	6
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Ablabesmyia	annulata	1
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Pseudochironomus sp.		20
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Tanytarsus	guerlus	10
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Tribelos	jucundus	2
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Psectrocladius sp.		2
Triangle Pond	09/22/1998	ECTRP13	Pyrilidae	Petrophila sp.		4
Triangle Pond	09/22/1998	ECTRP13	Planorbidae	Helisoma	anceps	2
Triangle Pond	09/22/1998	ECTRP13	Sphaeriidae	Musculium sp.		4
Triangle Pond	09/22/1998	ECTRP13	Prostomatidae	Prostoma	graecense	1
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Paralauterborniella sp.		1
Triangle Pond	09/22/1998	ECTRP13	Ephemeridae	Hexagenia	limbata	3
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Paratanytarsus sp.		1
Triangle Pond	09/22/1998	ECTRP13	Leptoceridae	Oecetis	inconspicua	1
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Chironomid	pupa	1
Triangle Pond	09/22/1998	ECTRP13	Hydrobiidae	Amnicola	limosa	9
Triangle Pond	09/22/1998	ECTRP13	Sphaeriidae	Pisidium sp.		5
Triangle Pond	09/22/1998	ECTRP13	Polycentropodidae	Polycentropus	rematus	8
Triangle Pond	09/22/1998	ECTRP13	Ceratopogonidae	Probezzia sp.		3
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Procladius	subletti	6
Triangle Pond	09/22/1998	ECTRP13	Chironomidae	Chironomus	decorus	2
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Cryptotendipes sp.		2
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Chironomid	pupa	1

<i>Study Area</i>	<i>Collection Date</i>	<i>Location</i>	<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>Number</i>
Triangle Pond	09/22/1998	ECTRP14	Naididae	Dero	digitata	1
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Dicrotendipes	modestus	1
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Chironomus	decorus	28
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Tribelos	jucundus	3
Triangle Pond	09/22/1998	ECTRP14	Unionidae	Lasmigona	compressa	1
Triangle Pond	09/22/1998	ECTRP14	Pyralidae	Petrophila sp.		1
Triangle Pond	09/22/1998	ECTRP14	Sphaeriidae	Musculium sp.		1
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Ablabesmyia	parajanta	1
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Paralauterborniella sp.		1
Triangle Pond	09/22/1998	ECTRP14	Hydrobiidae	Amnicola	limosa	46
Triangle Pond	09/22/1998	ECTRP14	Ceratopogonidae	Probezzia sp.		1
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Procladius	subletti	9
Triangle Pond	09/22/1998	ECTRP14	Chironomidae	Tanytarsus	guerlus	7

APPENDIX E

FS-12 Ecological Studies Investigation Sample Collection (September to December 1998) Data Summary Report

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ACRONYMS AND ABBREVIATIONS

AFCEE	U.S. Air Force Center for Environmental Excellence
Aq	aqueous
AQBS	Aquatec Biological Sciences, South Burlington
CLP	contract laboratory program
DIC	dissolved inorganic carbon
DOC	dissolved organic carbon
DQO	data quality objective
EB	equipment blank
EDB	ethylene dibromide
EPA	U.S. Environmental Protection Agency
ID	identification number
IS	internal standard
LCS	laboratory control sample
LCSD	laboratory control sample duplicate
MMR	Massachusetts Military Reservation
MS	matrix spike
MSD	matrix spike duplicate
MDL	method detection limits
N	Nitrogen
PARCC	precision, accuracy, representativeness, comparability, and completeness
PCE	perchloroethene (tetrachloroethene)
P	Phosphorus
QESK	Quanterra Environmental Services, Knoxville

ACRONYMS AND ABBREVIATIONS

QC	quality control
QPP	<i>Quality Program Plan</i>
RC	reason code
RECA	Recra LabNet
RL	reporting limits
RPD	relative percent difference
SOW	statement of work
SVOC	semivolatile organic compound
SVTW	Severn Trent Envirotest
TB	trip blank
TCE	Trichloroethene
TDS	total dissolved solids
TKN	total Kjeldahl nitrogen
TOC	total organic carbon
TSS	total suspended solids
UNHD	University of New Hampshire, Durham
VOC	volatile organic compound

1.0 FS-12 ECOLOGICAL STUDIES INVESTIGATION SAMPLE COLLECTION (SEPTEMBER TO DECEMBER 1998)

Jacobs Engineering Group Inc. collected and evaluated data from 33 surface water and 46 groundwater samples to meet the objectives of the FS-12 Ecological Studies program. Samples used for this study were collected between September 3 and December 29, 1998. Samples were analyzed in accordance with the U.S. Environmental Protection Agency (EPA) methods specified in Appendix 3A of the Massachusetts Military Reservation (MMR) *Quality Program Plan* (QPP) (Air Force Center for Environmental Excellence, 1998) and the Ecological Studies Work Plan. The actual analyses performed on each sample are listed in Section 2.0 of this appendix. All data were reviewed in accordance with MMR project-specific data review guidelines (technical procedure MMR Tech-055 in the QPP).

Samples were validated at either Level D (i.e., EPA Level IV) after a review of summary forms and raw data, or Level C (i.e., EPA Level III) after a review of the summary form information only. Project-specific data review guidelines for the Ecological Studies program are based on EPA Region I and AFCEE validation criteria. Field and laboratory quality control (QC) sample results were evaluated as part of both the Level C and Level D reviews. Sample results were qualified, if necessary, in the database. The results of the QC samples and the data review are summarized in Section 4.0 of this appendix.

2.0 SAMPLE IDENTIFICATION

Table 2-1 lists the samples that were collected and analyzed under this sample event. Each Jacobs sample number is cross-referenced with its Jacobs chain-of-custody ID control no. (ID), and the location ID. Sample matrix, sample type, date sampled, and the analysis performed on each sample are also provided in the table. Data completeness (location IDs and requested analyses) was verified against the chain-of-custody forms during the data review process. The MMR data management group maintains all chain-of-custody forms in the project files.

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90MP0060C	90MP0060C-08	9/3/98				X				OT-E465803
90MP0060C	90MP0060C-08	9/3/98				X				OT-E465901
90MP0060C	90MP0060C-08	9/3/98						X		OT-E465902
90MP0060C	90MP0060C-08	9/3/98						X		OT-E465903
90MP0060C	90MP0060C-08	9/3/98						X		OT-E465904
90MP0060C	90MP0060C-08	9/3/98	X							OT-E466002
90MP0060C	90MP0060C-08	9/3/98		X						OT-E480401
90MP0060C	90MP0060C-08	9/3/98				X				OT-E465801
90MP0060C	90MP0060C-08	9/3/98			X	X				OT-E466003
90MP0060C	90MP0060C-08	9/3/98				X				OT-E465802
90MP0060C	90MP0060C-08FD	9/3/98				X				OT-E465806
90MP0060C	90MP0060C-08FD	9/3/98				X				OT-E465905
90MP0060C	90MP0060C-08FD	9/3/98						X		OT-E465906
90MP0060C	90MP0060C-08FD	9/3/98						X		OT-E465907
90MP0060C	90MP0060C-08FD	9/3/98						X		OT-E465908
90MP0060C	90MP0060C-08FD	9/3/98	X							OT-E466005
90MP0060C	90MP0060C-08FD	9/3/98		X						OT-E480402
90MP0060C	90MP0060C-08FD	9/3/98				X				OT-E465804
90MP0060C	90MP0060C-08FD	9/3/98			X	X				OT-E466006
90MP0060C	90MP0060C-08FD	9/3/98				X				OT-E465805
90MP0060D	90MP0060D-13	9/3/98				X				OT-E466103
90MP0060D	90MP0060D-13	9/3/98				X				OT-E466201
90MP0060D	90MP0060D-13	9/3/98						X		OT-E466202
90MP0060D	90MP0060D-13	9/3/98						X		OT-E466203
90MP0060D	90MP0060D-13	9/3/98						X		OT-E466204
90MP0060D	90MP0060D-13	9/3/98	X							OT-E466302
90MP0060D	90MP0060D-13	9/3/98		X						OT-E480403
90MP0060D	90MP0060D-13	9/3/98				X				OT-E466101
90MP0060D	90MP0060D-13	9/3/98			X	X				OT-E466303
90MP0060D	90MP0060D-13	9/3/98				X				OT-E466102
90MP0060F	90MP0060F-08	9/3/98				X				OT-E466403
90MP0060F	90MP0060F-08	9/3/98				X				OT-E466501
90MP0060F	90MP0060F-08	9/3/98						X		OT-E466502
90MP0060F	90MP0060F-08	9/3/98						X		OT-E466503
90MP0060F	90MP0060F-08	9/3/98						X		OT-E466504
90MP0060F	90MP0060F-08	9/3/98	X							OT-E466602
90MP0060F	90MP0060F-08	9/3/98		X						OT-E480404
90MP0060F	90MP0060F-08	9/3/98				X				OT-E466401
90MP0060F	90MP0060F-08	9/3/98			X	X				OT-E466603
90MP0060F	90MP0060F-08	9/3/98				X				OT-E466402
FIELDQC	090398-TB5-005	9/3/98	X							OT-E480301
ECMWPTP01D	ECMWPTP01D-07	9/9/98				X				OT-E465701
ECMWPTP01D	ECMWPTP01D-07	9/9/98						X		OT-E465702
ECMWPTP01D	ECMWPTP01D-07	9/9/98						X		OT-E465703
ECMWPTP01D	ECMWPTP01D-07	9/9/98						X		OT-E465704
ECMWPTP01D	ECMWPTP01D-07	9/9/98				X				OT-E465601
ECMWPTP01D	ECMWPTP01D-07	9/9/98				X				OT-E465602
ECMWPTP01D	ECMWPTP01D-07	9/9/98				X				OT-E465603
ECMWPTP01S	ECMWPTP01S-07	9/9/98				X				OT-E465501
ECMWPTP01S	ECMWPTP01S-07	9/9/98						X		OT-E465502
ECMWPTP01S	ECMWPTP01S-07	9/9/98						X		OT-E465503
ECMWPTP01S	ECMWPTP01S-07	9/9/98						X		OT-E465504
ECMWPTP01S	ECMWPTP01S-07	9/9/98				X				OT-E465401
ECMWPTP01S	ECMWPTP01S-07	9/9/98				X				OT-E465402
ECMWPTP01S	ECMWPTP01S-07	9/9/98				X				OT-E465403
ECMWTRP01D	ECMWTRP01D-03	9/9/98				X				OT-E468201
ECMWTRP01D	ECMWTRP01D-03	9/9/98						X		OT-E468202
ECMWTRP01D	ECMWTRP01D-03	9/9/98						X		OT-E468203

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECMWTRP01D	ECMWTRP01D-03	9/9/98						X		OT-E468204
ECMWTRP01D	ECMWTRP01D-03	9/9/98				X				OT-E468101
ECMWTRP01D	ECMWTRP01D-03	9/9/98				X				OT-E468102
ECMWTRP01D	ECMWTRP01D-03	9/9/98				X				OT-E468103
ECMWTRP01S	ECMWTRP01S-03	9/9/98				X				OT-E468001
ECMWTRP01S	ECMWTRP01S-03	9/9/98						X		OT-E468002
ECMWTRP01S	ECMWTRP01S-03	9/9/98						X		OT-E468003
ECMWTRP01S	ECMWTRP01S-03	9/9/98						X		OT-E468004
ECMWTRP01S	ECMWTRP01S-03	9/9/98				X				OT-E467901
ECMWTRP01S	ECMWTRP01S-03	9/9/98				X				OT-E467902
ECMWTRP01S	ECMWTRP01S-03	9/9/98				X				OT-E467903
90MW0015	90MW0015-07	9/10/98		X						OT-E487402
90MW0015	90MW0015-07	9/10/98	X							OT-E487403
90MW0015	90MW0015-07	9/10/98				X				OT-E467001
90MW0015	90MW0015-07	9/10/98						X		OT-E467002
90MW0015	90MW0015-07	9/10/98						X		OT-E467003
90MW0015	90MW0015-07	9/10/98						X		OT-E467004
90MW0015	90MW0015-07	9/10/98				X				OT-E466901
90MW0015	90MW0015-07	9/10/98			X	X				OT-E469703
90MW0015	90MW0015-07	9/10/98				X				OT-E466902
90MW0015	90MW0015-07	9/10/98				X				OT-E466903
90PZ0205	90PZ0205-09	9/10/98				X				OT-E487601
90PZ0205	90PZ0205-09	9/10/98						X		OT-E487602
90PZ0205	90PZ0205-09	9/10/98						X		OT-E487603
90PZ0205	90PZ0205-09	9/10/98						X		OT-E487604
90PZ0205	90PZ0205-09	9/10/98				X				OT-E487501
90PZ0205	90PZ0205-09	9/10/98				X				OT-E487502
90PZ0205	90PZ0205-09	9/10/98				X				OT-E487503
FIELDQC	091098-TB5-005	9/10/98	X							OT-E487401
90MW0004	90MW0004-10	9/16/98				X				OT-E490401
90MW0004	90MW0004-10	9/16/98						X		OT-E490402
90MW0004	90MW0004-10	9/16/98						X		OT-E490403
90MW0004	90MW0004-10	9/16/98						X		OT-E490404
90MW0004	90MW0004-10	9/16/98				X				OT-E490301
90MW0004	90MW0004-10	9/16/98				X				OT-E490302
90MW0004	90MW0004-10	9/16/98				X				OT-E490303
ECSNP03	ECSWSNP03A-21	9/21/98				X				OT-E473101
ECSNP03	ECSWSNP03A-21	9/21/98						X		OT-E473102
ECSNP03	ECSWSNP03A-21	9/21/98						X		OT-E473103
ECSNP03	ECSWSNP03A-21	9/21/98						X		OT-E473104
ECSNP03	ECSWSNP03A-21	9/21/98					X			OT-E473201
ECSNP03	ECSWSNP03A-21	9/21/98				X				OT-E473002
ECSNP03	ECSWSNP03A-21	9/21/98				X				OT-E473001
ECSNP03	ECSWSNP03A-21	9/21/98				X				OT-E473003
ECSNP03	ECSWSNP03B-21	9/21/98				X				OT-E473105
ECSNP03	ECSWSNP03B-21	9/21/98						X		OT-E473106
ECSNP03	ECSWSNP03B-21	9/21/98						X		OT-E473107
ECSNP03	ECSWSNP03B-21	9/21/98						X		OT-E473108
ECSNP03	ECSWSNP03B-21	9/21/98					X			OT-E473202
ECSNP03	ECSWSNP03B-21	9/21/98				X				OT-E473005
ECSNP03	ECSWSNP03B-21	9/21/98				X				OT-E473004
ECSNP03	ECSWSNP03B-21	9/21/98				X				OT-E473006
ECSNP06	ECSWSNP06A-21	9/21/98				X				OT-E473501
ECSNP06	ECSWSNP06A-21	9/21/98						X		OT-E473502
ECSNP06	ECSWSNP06A-21	9/21/98						X		OT-E473503
ECSNP06	ECSWSNP06A-21	9/21/98						X		OT-E473504
ECSNP06	ECSWSNP06A-21	9/21/98					X			OT-E473601
ECSNP06	ECSWSNP06A-21	9/21/98				X				OT-E473402

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECSNP06	ECSWSNP06A-21	9/21/98				X				OT-E473401
ECSNP06	ECSWSNP06A-21	9/21/98				X				OT-E473403
ECSNP07	ECSWSNP07-22	9/21/98	X							OT-E473902
ECSNP07	ECSWSNP07-22	9/21/98			X					OT-E473903
ECSNP07	ECSWSNP07-22	9/21/98				X				OT-E473904
ECSNP07	ECSWSNP07-22	9/21/98						X		OT-E473905
ECSNP07	ECSWSNP07-22	9/21/98						X		OT-E473906
ECSNP07	ECSWSNP07-22	9/21/98						X		OT-E473907
ECSNP07	ECSWSNP07-22	9/21/98		X						OT-E474001
ECSNP07	ECSWSNP07-22	9/21/98					X			OT-E474101
ECSNP07	ECSWSNP07-22	9/21/98				X				OT-E473802
ECSNP07	ECSWSNP07-22	9/21/98				X				OT-E473801
ECSNP07	ECSWSNP07-22	9/21/98				X				OT-E473803
ECSNP08	ECSWSNP08-22	9/21/98	X							OT-E474401
ECSNP08	ECSWSNP08-22	9/21/98			X					OT-E474402
ECSNP08	ECSWSNP08-22	9/21/98				X				OT-E474403
ECSNP08	ECSWSNP08-22	9/21/98						X		OT-E474404
ECSNP08	ECSWSNP08-22	9/21/98						X		OT-E474405
ECSNP08	ECSWSNP08-22	9/21/98						X		OT-E474406
ECSNP08	ECSWSNP08-22	9/21/98		X						OT-E474501
ECSNP08	ECSWSNP08-22	9/21/98					X			OT-E474601
ECSNP08	ECSWSNP08-22	9/21/98				X				OT-E474302
ECSNP08	ECSWSNP08-22	9/21/98				X				OT-E474301
ECSNP08	ECSWSNP08-22	9/21/98				X				OT-E474303
ECTRP01	ECSWTRP01-21	9/21/98				X				OT-E475001
ECTRP01	ECSWTRP01-21	9/21/98						X		OT-E475002
ECTRP01	ECSWTRP01-21	9/21/98						X		OT-E475003
ECTRP01	ECSWTRP01-21	9/21/98						X		OT-E475004
ECTRP01	ECSWTRP01-21	9/21/98					X			OT-E475101
ECTRP01	ECSWTRP01-21	9/21/98				X				OT-E474902
ECTRP01	ECSWTRP01-21	9/21/98				X				OT-E474901
ECTRP01	ECSWTRP01-21	9/21/98				X				OT-E474903
ECTRP05	ECSWTRP05A-21	9/21/98				X				OT-E476301
ECTRP05	ECSWTRP05A-21	9/21/98						X		OT-E476302
ECTRP05	ECSWTRP05A-21	9/21/98						X		OT-E476303
ECTRP05	ECSWTRP05A-21	9/21/98						X		OT-E476304
ECTRP05	ECSWTRP05A-21	9/21/98					X			OT-E476501
ECTRP05	ECSWTRP05A-21	9/21/98				X				OT-E476202
ECTRP05	ECSWTRP05A-21	9/21/98				X				OT-E476201
ECTRP05	ECSWTRP05A-21	9/21/98				X				OT-E476203
ECTRP05	ECSWTRP05A-21FD	9/21/98				X				OT-E476305
ECTRP05	ECSWTRP05A-21FD	9/21/98						X		OT-E476306
ECTRP05	ECSWTRP05A-21FD	9/21/98						X		OT-E476307
ECTRP05	ECSWTRP05A-21FD	9/21/98						X		OT-E476308
ECTRP05	ECSWTRP05A-21FD	9/21/98					X			OT-E476502
ECTRP05	ECSWTRP05A-21FD	9/21/98				X				OT-E476205
ECTRP05	ECSWTRP05A-21FD	9/21/98				X				OT-E476204
ECTRP05	ECSWTRP05A-21FD	9/21/98				X				OT-E476206
ECTRP05	ECSWTRP05B-21	9/21/98				X				OT-E476401
ECTRP05	ECSWTRP05B-21	9/21/98						X		OT-E476402
ECTRP05	ECSWTRP05B-21	9/21/98						X		OT-E476403
ECTRP05	ECSWTRP05B-21	9/21/98						X		OT-E476404
ECTRP05	ECSWTRP05B-21	9/21/98					X			OT-E476503
ECTRP05	ECSWTRP05B-21	9/21/98				X				OT-E476208
ECTRP05	ECSWTRP05B-21	9/21/98				X				OT-E476207
ECTRP05	ECSWTRP05B-21	9/21/98				X				OT-E476209
ECTRP06	ECSWTRP06A-21	9/21/98				X				OT-E476801
ECTRP06	ECSWTRP06A-21	9/21/98						X		OT-E476802

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECTRP06	ECSWTRP06A-21	9/21/98						X		OT-E476803
ECTRP06	ECSWTRP06A-21	9/21/98						X		OT-E476804
ECTRP06	ECSWTRP06A-21	9/21/98					X			OT-E476901
ECTRP06	ECSWTRP06A-21	9/21/98				X				OT-E476702
ECTRP06	ECSWTRP06A-21	9/21/98				X				OT-E476701
ECTRP06	ECSWTRP06A-21	9/21/98				X				OT-E476703
ECSNP02	ECSWSNP02-21	9/22/98				X				OT-E472701
ECSNP02	ECSWSNP02-21	9/22/98						X		OT-E472702
ECSNP02	ECSWSNP02-21	9/22/98						X		OT-E472703
ECSNP02	ECSWSNP02-21	9/22/98						X		OT-E472704
ECSNP02	ECSWSNP02-21	9/22/98					X			OT-E472802
ECSNP02	ECSWSNP02-21	9/22/98				X				OT-E472602
ECSNP02	ECSWSNP02-21	9/22/98				X				OT-E472601
ECSNP02	ECSWSNP02-21	9/22/98				X				OT-E472603
ECSNP02	ECSWSNP02-21FD	9/22/98				X				OT-E472705
ECSNP02	ECSWSNP02-21FD	9/22/98						X		OT-E472706
ECSNP02	ECSWSNP02-21FD	9/22/98						X		OT-E472707
ECSNP02	ECSWSNP02-21FD	9/22/98						X		OT-E472708
ECSNP02	ECSWSNP02-21FD	9/22/98				X				OT-E472605
ECSNP02	ECSWSNP02-21FD	9/22/98				X				OT-E472604
ECSNP02	ECSWSNP02-21FD	9/22/98				X				OT-E472606
ECTRP03	ECSWTRP03-21	9/22/98				X				OT-E475501
ECTRP03	ECSWTRP03-21	9/22/98						X		OT-E475502
ECTRP03	ECSWTRP03-21	9/22/98						X		OT-E475503
ECTRP03	ECSWTRP03-21	9/22/98						X		OT-E475504
ECTRP03	ECSWTRP03-21	9/22/98					X			OT-E475601
ECTRP03	ECSWTRP03-21	9/22/98				X				OT-E475402
ECTRP03	ECSWTRP03-21	9/22/98				X				OT-E475401
ECTRP03	ECSWTRP03-21	9/22/98				X				OT-E475403
ECTRP04	ECSWTRP04-21	9/22/98				X				OT-E475901
ECTRP04	ECSWTRP04-21	9/22/98						X		OT-E475902
ECTRP04	ECSWTRP04-21	9/22/98						X		OT-E475903
ECTRP04	ECSWTRP04-21	9/22/98						X		OT-E475904
ECTRP04	ECSWTRP04-21	9/22/98					X			OT-E476001
ECTRP04	ECSWTRP04-21	9/22/98				X				OT-E475802
ECTRP04	ECSWTRP04-21	9/22/98				X				OT-E475801
ECTRP04	ECSWTRP04-21	9/22/98				X				OT-E475803
FIELDQC	092298-EB2-005	9/22/98				X				OT-E493901
FIELDQC	092298-EB2-005	9/22/98						X		OT-E493902
FIELDQC	092298-EB2-005	9/22/98						X		OT-E493903
FIELDQC	092298-EB2-005	9/22/98						X		OT-E493904
FIELDQC	092298-EB2-005	9/22/98				X				OT-E493802
FIELDQC	092298-EB2-005	9/22/98				X				OT-E493801
ECPTP01	ECSWPTP01A-21	9/24/98				X				OT-E485301
ECPTP01	ECSWPTP01A-21	9/24/98						X		OT-E485302
ECPTP01	ECSWPTP01A-21	9/24/98						X		OT-E485303
ECPTP01	ECSWPTP01A-21	9/24/98						X		OT-E485304
ECPTP01	ECSWPTP01A-21	9/24/98					X			OT-E485401
ECPTP01	ECSWPTP01A-21	9/24/98				X				OT-E485202
ECPTP01	ECSWPTP01A-21	9/24/98				X				OT-E485201
ECPTP01	ECSWPTP01A-21	9/24/98				X				OT-E485203
ECPTP02	ECSWPTP02A-21	9/25/98				X				OT-E485701
ECPTP02	ECSWPTP02A-21	9/25/98						X		OT-E485702
ECPTP02	ECSWPTP02A-21	9/25/98						X		OT-E485703
ECPTP02	ECSWPTP02A-21	9/25/98						X		OT-E485704
ECPTP02	ECSWPTP02A-21	9/25/98					X			OT-E485801
ECPTP02	ECSWPTP02A-21	9/25/98				X				OT-E485602
ECPTP02	ECSWPTP02A-21	9/25/98				X				OT-E485601

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECPTP02	ECSWPTP02A-21	9/25/98				X				OT-E485603
ECPTP03	ECSWPTP03-21	9/25/98				X				OT-E486101
ECPTP03	ECSWPTP03-21	9/25/98						X		OT-E486102
ECPTP03	ECSWPTP03-21	9/25/98						X		OT-E486103
ECPTP03	ECSWPTP03-21	9/25/98						X		OT-E486104
ECPTP03	ECSWPTP03-21	9/25/98					X			OT-E486201
ECPTP03	ECSWPTP03-21	9/25/98				X				OT-E486002
ECPTP03	ECSWPTP03-21	9/25/98				X				OT-E486001
ECPTP03	ECSWPTP03-21	9/25/98				X				OT-E486003
ECPTP04	ECSWPTP04A-21	9/25/98				X				OT-E486501
ECPTP04	ECSWPTP04A-21	9/25/98						X		OT-E486502
ECPTP04	ECSWPTP04A-21	9/25/98						X		OT-E486503
ECPTP04	ECSWPTP04A-21	9/25/98						X		OT-E486504
ECPTP04	ECSWPTP04A-21	9/25/98					X			OT-E486701
ECPTP04	ECSWPTP04A-21	9/25/98				X				OT-E486402
ECPTP04	ECSWPTP04A-21	9/25/98				X				OT-E486401
ECPTP04	ECSWPTP04A-21	9/25/98				X				OT-E486403
ECPTP04	ECSWPTP04A-21FD	9/25/98				X				OT-E486505
ECPTP04	ECSWPTP04A-21FD	9/25/98						X		OT-E486506
ECPTP04	ECSWPTP04A-21FD	9/25/98						X		OT-E486507
ECPTP04	ECSWPTP04A-21FD	9/25/98						X		OT-E486508
ECPTP04	ECSWPTP04A-21FD	9/25/98					X			OT-E486702
ECPTP04	ECSWPTP04A-21FD	9/25/98				X				OT-E486405
ECPTP04	ECSWPTP04A-21FD	9/25/98				X				OT-E486404
ECPTP04	ECSWPTP04A-21FD	9/25/98				X				OT-E486406
ECPTP04	ECSWPTP04B-21	9/25/98				X				OT-E486601
ECPTP04	ECSWPTP04B-21	9/25/98						X		OT-E486602
ECPTP04	ECSWPTP04B-21	9/25/98						X		OT-E486603
ECPTP04	ECSWPTP04B-21	9/25/98						X		OT-E486604
ECPTP04	ECSWPTP04B-21	9/25/98					X			OT-E486703
ECPTP04	ECSWPTP04B-21	9/25/98				X				OT-E486408
ECPTP04	ECSWPTP04B-21	9/25/98				X				OT-E486407
ECPTP04	ECSWPTP04B-21	9/25/98				X				OT-E486409
ECPTP05	ECSWPTP05A-21	9/25/98				X				OT-E487001
ECPTP05	ECSWPTP05A-21	9/25/98						X		OT-E487002
ECPTP05	ECSWPTP05A-21	9/25/98						X		OT-E487003
ECPTP05	ECSWPTP05A-21	9/25/98						X		OT-E487004
ECPTP05	ECSWPTP05A-21	9/25/98					X			OT-E487101
ECPTP05	ECSWPTP05A-21	9/25/98				X				OT-E486902
ECPTP05	ECSWPTP05A-21	9/25/98				X				OT-E486901
ECPTP05	ECSWPTP05A-21	9/25/98				X				OT-E486903
FIELDQC	092598-EB2-005	9/25/98				X				OT-E494701
FIELDQC	092598-EB2-005	9/25/98						X		OT-E494702
FIELDQC	092598-EB2-005	9/25/98						X		OT-E494703
FIELDQC	092598-EB2-005	9/25/98						X		OT-E494704
FIELDQC	092598-EB2-005	9/25/98				X				OT-E494602
FIELDQC	092598-EB2-005	9/25/98				X				OT-E494601
90MW0004	90MW0004-11	9/29/98				X				OT-E495101
90MW0004	90MW0004-11	9/29/98						X		OT-E495102
90MW0004	90MW0004-11	9/29/98						X		OT-E495103
90MW0004	90MW0004-11	9/29/98						X		OT-E495104
90MW0004	90MW0004-11	9/29/98				X				OT-E495002
90MW0004	90MW0004-11	9/29/98				X				OT-E495001
90MW0004	90MW0004-11	9/29/98				X				OT-E495003
90MW0020	90MW0020-11	9/29/98				X				OT-E495105
90MW0020	90MW0020-11	9/29/98						X		OT-E495106
90MW0020	90MW0020-11	9/29/98						X		OT-E495107
90MW0020	90MW0020-11	9/29/98						X		OT-E495108

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90MW0020	90MW0020-11	9/29/98				X				OT-E495005
90MW0020	90MW0020-11	9/29/98				X				OT-E495004
90MW0020	90MW0020-11	9/29/98				X				OT-E495006
90PZ0205	90PZ0205-10	9/29/98				X				OT-E495201
90PZ0205	90PZ0205-10	9/29/98						X		OT-E495202
90PZ0205	90PZ0205-10	9/29/98						X		OT-E495203
90PZ0205	90PZ0205-10	9/29/98						X		OT-E495204
90PZ0205	90PZ0205-10	9/29/98				X				OT-E495008
90PZ0205	90PZ0205-10	9/29/98				X				OT-E495007
90PZ0205	90PZ0205-10	9/29/98				X				OT-E495009
90RIW0014	90RIW0014-18	9/29/98				X				OT-E495705
90RIW0014	90RIW0014-18	9/29/98						X		OT-E495706
90RIW0014	90RIW0014-18	9/29/98						X		OT-E495707
90RIW0014	90RIW0014-18	9/29/98						X		OT-E495708
90RIW0014	90RIW0014-18	9/29/98				X				OT-E495605
90RIW0014	90RIW0014-18	9/29/98				X				OT-E495604
90RIW0014	90RIW0014-18	9/29/98				X				OT-E495606
90RIW0028	90RIW0028-05	9/29/98				X				OT-E495801
90RIW0028	90RIW0028-05	9/29/98						X		OT-E495802
90RIW0028	90RIW0028-05	9/29/98						X		OT-E495803
90RIW0028	90RIW0028-05	9/29/98						X		OT-E495804
90RIW0028	90RIW0028-05	9/29/98				X				OT-E495608
90RIW0028	90RIW0028-05	9/29/98				X				OT-E495607
90RIW0028	90RIW0028-05	9/29/98				X				OT-E495609
90RIW0006	90RIW0006-05	10/2/98				X				OT-E497401
90RIW0006	90RIW0006-05	10/2/98						X		OT-E497402
90RIW0006	90RIW0006-05	10/2/98						X		OT-E497403
90RIW0006	90RIW0006-05	10/2/98						X		OT-E497404
90RIW0006	90RIW0006-05	10/2/98				X				OT-E497302
90RIW0006	90RIW0006-05	10/2/98				X				OT-E497301
90RIW0006	90RIW0006-05	10/2/98				X				OT-E497303
90MW0004	90MW0004-12	10/27/98				X				OT-E530801
90MW0004	90MW0004-12	10/27/98						X		OT-E530802
90MW0004	90MW0004-12	10/27/98						X		OT-E530803
90MW0004	90MW0004-12	10/27/98						X		OT-E530804
90MW0020	90MW0020-13	10/27/98				X				OT-E530805
90MW0020	90MW0020-13	10/27/98						X		OT-E530806
90MW0020	90MW0020-13	10/27/98						X		OT-E530807
90MW0020	90MW0020-13	10/27/98						X		OT-E530808
90PZ0205	90PZ0205-11	10/27/98				X				OT-E530901
90PZ0205	90PZ0205-11	10/27/98						X		OT-E530902
90PZ0205	90PZ0205-11	10/27/98						X		OT-E530903
90PZ0205	90PZ0205-11	10/27/98						X		OT-E530904
90RIW0006	90RIW0006-06	10/28/98				X				OT-E531101
90RIW0006	90RIW0006-06	10/28/98						X		OT-E531102
90RIW0006	90RIW0006-06	10/28/98						X		OT-E531103
90RIW0006	90RIW0006-06	10/28/98						X		OT-E531104
90RIW0006	90RIW0006-06	10/28/98				X				OT-E531003
90RIW0006	90RIW0006-06	10/28/98				X				OT-E531002
90RIW0006	90RIW0006-06	10/28/98				X				OT-E531001
90RIW0014	90RIW0014-19	10/28/98				X				OT-E531105
90RIW0014	90RIW0014-19	10/28/98						X		OT-E531106
90RIW0014	90RIW0014-19	10/28/98						X		OT-E531107
90RIW0014	90RIW0014-19	10/28/98						X		OT-E531108
90RIW0014	90RIW0014-19	10/28/98				X				OT-E531006
90RIW0014	90RIW0014-19	10/28/98				X				OT-E531005
90RIW0014	90RIW0014-19	10/28/98				X				OT-E531004
90RIW0028	90RIW0028-06	10/28/98				X				OT-E531201

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90RIW0028	90RIW0028-06	10/28/98						X		OT-E531202
90RIW0028	90RIW0028-06	10/28/98						X		OT-E531203
90RIW0028	90RIW0028-06	10/28/98						X		OT-E531204
90RIW0028	90RIW0028-06	10/28/98				X				OT-E531009
90RIW0028	90RIW0028-06	10/28/98				X				OT-E531008
90RIW0028	90RIW0028-06	10/28/98				X				OT-E531007
90MW0004	90MW0004-13	10/29/98				X				OT-E541003
90MW0004	90MW0004-13	10/29/98				X				OT-E541002
90MW0004	90MW0004-13	10/29/98				X				OT-E541001
90MW0020	90MW0020-14	10/29/98				X				OT-E541006
90MW0020	90MW0020-14	10/29/98				X				OT-E541005
90MW0020	90MW0020-14	10/29/98				X				OT-E541004
90PZ0205	90PZ0205-12	10/29/98				X				OT-E541009
90PZ0205	90PZ0205-12	10/29/98				X				OT-E541008
90PZ0205	90PZ0205-12	10/29/98				X				OT-E541007
ECMWSNP02S	ECMWSNP02S-15	11/2/98				X				OT-E541501
ECMWSNP02S	ECMWSNP02S-15	11/2/98						X		OT-E541502
ECMWSNP02S	ECMWSNP02S-15	11/2/98						X		OT-E541503
ECMWSNP02S	ECMWSNP02S-15	11/2/98						X		OT-E541504
ECMWSNP02S	ECMWSNP02S-15	11/2/98		X						OT-E543002
ECMWSNP02S	ECMWSNP02S-15	11/2/98	X							OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/2/98			X					OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/2/98				X				OT-E541403
ECMWSNP02S	ECMWSNP02S-15	11/2/98				X				OT-E541402
ECMWSNP02S	ECMWSNP02S-15	11/2/98				X				OT-E541401
ECMWSNP03D	ECMWSNP03D-15	11/2/98				X				OT-E542905
ECMWSNP03D	ECMWSNP03D-15	11/2/98						X		OT-E542906
ECMWSNP03D	ECMWSNP03D-15	11/2/98						X		OT-E542907
ECMWSNP03D	ECMWSNP03D-15	11/2/98						X		OT-E542908
ECMWSNP03D	ECMWSNP03D-15	11/2/98		X						OT-E543104
ECMWSNP03D	ECMWSNP03D-15	11/2/98	X							OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/2/98			X					OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/2/98				X				OT-E542806
ECMWSNP03D	ECMWSNP03D-15	11/2/98				X				OT-E542804
ECMWSNP03D	ECMWSNP03D-15	11/2/98				X				OT-E542805
ECMWSNP03S	ECMWSNP03S-15	11/2/98				X				OT-E542901
ECMWSNP03S	ECMWSNP03S-15	11/2/98						X		OT-E542902
ECMWSNP03S	ECMWSNP03S-15	11/2/98						X		OT-E542903
ECMWSNP03S	ECMWSNP03S-15	11/2/98						X		OT-E542904
ECMWSNP03S	ECMWSNP03S-15	11/2/98		X						OT-E543101
ECMWSNP03S	ECMWSNP03S-15	11/2/98	X							OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/2/98			X					OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/2/98				X				OT-E542803
ECMWSNP03S	ECMWSNP03S-15	11/2/98				X				OT-E542802
ECMWSNP03S	ECMWSNP03S-15	11/2/98				X				OT-E542801
FIELDQC	110298-TB8-005	11/2/98	X							OT-E543001
ECMWSNP02D	ECMWSNP02D-15	11/3/98				X				OT-E546202
ECMWSNP02D	ECMWSNP02D-15	11/3/98						X		OT-E546203
ECMWSNP02D	ECMWSNP02D-15	11/3/98						X		OT-E546204
ECMWSNP02D	ECMWSNP02D-15	11/3/98						X		OT-E546205
ECMWSNP02D	ECMWSNP02D-15	11/3/98		X						OT-E546206
ECMWSNP02D	ECMWSNP02D-15	11/3/98	X							OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/3/98			X					OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/3/98				X				OT-E546103
ECMWSNP02D	ECMWSNP02D-15	11/3/98				X				OT-E546102
ECMWSNP02D	ECMWSNP02D-15	11/3/98				X				OT-E546101
FIELDQC	110398-TB4-005	11/3/98	X							OT-E546201
ECSNP02	ECSWSNP02-26	11/4/98				X				OT-E498501

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECSNP02	ECSWSNP02-26	11/4/98						X		OT-E498502
ECSNP02	ECSWSNP02-26	11/4/98						X		OT-E498503
ECSNP02	ECSWSNP02-26	11/4/98						X		OT-E498504
ECSNP02	ECSWSNP02-26	11/4/98				X				OT-E498403
ECSNP02	ECSWSNP02-26	11/4/98					X			OT-E498601
ECSNP02	ECSWSNP02-26	11/4/98				X				OT-E498402
ECSNP02	ECSWSNP02-26	11/4/98				X				OT-E498401
ECSNP02	ECSWSNP02-26FD	11/4/98				X				OT-E498505
ECSNP02	ECSWSNP02-26FD	11/4/98						X		OT-E498506
ECSNP02	ECSWSNP02-26FD	11/4/98						X		OT-E498507
ECSNP02	ECSWSNP02-26FD	11/4/98						X		OT-E498508
ECSNP02	ECSWSNP02-26FD	11/4/98				X				OT-E498406
ECSNP02	ECSWSNP02-26FD	11/4/98					X			OT-E498602
ECSNP02	ECSWSNP02-26FD	11/4/98				X				OT-E498405
ECSNP02	ECSWSNP02-26FD	11/4/98				X				OT-E498404
ECTRP05	ECSWTRP05-26	11/4/98				X				OT-E500901
ECTRP05	ECSWTRP05-26	11/4/98						X		OT-E500902
ECTRP05	ECSWTRP05-26	11/4/98						X		OT-E500903
ECTRP05	ECSWTRP05-26	11/4/98						X		OT-E500904
ECTRP05	ECSWTRP05-26	11/4/98				X				OT-E500803
ECTRP05	ECSWTRP05-26	11/4/98					X			OT-E501001
ECTRP05	ECSWTRP05-26	11/4/98				X				OT-E500802
ECTRP05	ECSWTRP05-26	11/4/98				X				OT-E500801
ECTRP05	ECSWTRP05-26FD	11/4/98				X				OT-E500905
ECTRP05	ECSWTRP05-26FD	11/4/98						X		OT-E500906
ECTRP05	ECSWTRP05-26FD	11/4/98						X		OT-E500907
ECTRP05	ECSWTRP05-26FD	11/4/98						X		OT-E500908
ECTRP05	ECSWTRP05-26FD	11/4/98				X				OT-E500806
ECTRP05	ECSWTRP05-26FD	11/4/98					X			OT-E501002
ECTRP05	ECSWTRP05-26FD	11/4/98				X				OT-E500805
ECTRP05	ECSWTRP05-26FD	11/4/98				X				OT-E500804
ECSNP03	ECSWSNP03-26	11/5/98				X				OT-E498801
ECSNP03	ECSWSNP03-26	11/5/98						X		OT-E498802
ECSNP03	ECSWSNP03-26	11/5/98						X		OT-E498803
ECSNP03	ECSWSNP03-26	11/5/98						X		OT-E498804
ECSNP03	ECSWSNP03-26	11/5/98				X				OT-E498703
ECSNP03	ECSWSNP03-26	11/5/98					X			OT-E498901
ECSNP03	ECSWSNP03-26	11/5/98				X				OT-E498702
ECSNP03	ECSWSNP03-26	11/5/98				X				OT-E498701
ECSNP06	ECSWSNP06-26	11/5/98				X				OT-E499101
ECSNP06	ECSWSNP06-26	11/5/98						X		OT-E499102
ECSNP06	ECSWSNP06-26	11/5/98						X		OT-E499103
ECSNP06	ECSWSNP06-26	11/5/98						X		OT-E499104
ECSNP06	ECSWSNP06-26	11/5/98				X				OT-E499003
ECSNP06	ECSWSNP06-26	11/5/98					X			OT-E499201
ECSNP06	ECSWSNP06-26	11/5/98				X				OT-E499002
ECSNP06	ECSWSNP06-26	11/5/98				X				OT-E499001
ECSNP07	ECSWSNP07-27	11/5/98				X				OT-E499401
ECSNP07	ECSWSNP07-27	11/5/98						X		OT-E499402
ECSNP07	ECSWSNP07-27	11/5/98						X		OT-E499403
ECSNP07	ECSWSNP07-27	11/5/98						X		OT-E499404
ECSNP07	ECSWSNP07-27	11/5/98				X				OT-E499303
ECSNP07	ECSWSNP07-27	11/5/98					X			OT-E499501
ECSNP07	ECSWSNP07-27	11/5/98				X				OT-E499302
ECSNP07	ECSWSNP07-27	11/5/98				X				OT-E499301
ECSNP08	ECSWSNP08-27	11/5/98				X				OT-E499701
ECSNP08	ECSWSNP08-27	11/5/98						X		OT-E499702
ECSNP08	ECSWSNP08-27	11/5/98						X		OT-E499703

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECSNP08	ECSWSNP08-27	11/5/98						X		OT-E499704
ECSNP08	ECSWSNP08-27	11/5/98				X				OT-E499603
ECSNP08	ECSWSNP08-27	11/5/98					X			OT-E499801
ECSNP08	ECSWSNP08-27	11/5/98				X				OT-E499602
ECSNP08	ECSWSNP08-27	11/5/98				X				OT-E499601
ECTRP01	ECSWTRP01-26	11/5/98				X				OT-E500001
ECTRP01	ECSWTRP01-26	11/5/98						X		OT-E500002
ECTRP01	ECSWTRP01-26	11/5/98						X		OT-E500003
ECTRP01	ECSWTRP01-26	11/5/98						X		OT-E500004
ECTRP01	ECSWTRP01-26	11/5/98				X				OT-E499903
ECTRP01	ECSWTRP01-26	11/5/98					X			OT-E500101
ECTRP01	ECSWTRP01-26	11/5/98				X				OT-E499902
ECTRP01	ECSWTRP01-26	11/5/98				X				OT-E499901
ECTRP03	ECSWTRP03-26	11/5/98				X				OT-E500301
ECTRP03	ECSWTRP03-26	11/5/98						X		OT-E500302
ECTRP03	ECSWTRP03-26	11/5/98						X		OT-E500303
ECTRP03	ECSWTRP03-26	11/5/98						X		OT-E500304
ECTRP03	ECSWTRP03-26	11/5/98				X				OT-E500203
ECTRP03	ECSWTRP03-26	11/5/98					X			OT-E500401
ECTRP03	ECSWTRP03-26	11/5/98				X				OT-E500202
ECTRP03	ECSWTRP03-26	11/5/98				X				OT-E500201
ECTRP04	ECSWTRP04-26	11/5/98				X				OT-E500601
ECTRP04	ECSWTRP04-26	11/5/98						X		OT-E500602
ECTRP04	ECSWTRP04-26	11/5/98						X		OT-E500603
ECTRP04	ECSWTRP04-26	11/5/98						X		OT-E500604
ECTRP04	ECSWTRP04-26	11/5/98				X				OT-E500503
ECTRP04	ECSWTRP04-26	11/5/98					X			OT-E500701
ECTRP04	ECSWTRP04-26	11/5/98				X				OT-E500502
ECTRP04	ECSWTRP04-26	11/5/98				X				OT-E500501
ECTRP06	ECSWTRP06-26	11/5/98				X				OT-E501201
ECTRP06	ECSWTRP06-26	11/5/98						X		OT-E501202
ECTRP06	ECSWTRP06-26	11/5/98						X		OT-E501203
ECTRP06	ECSWTRP06-26	11/5/98						X		OT-E501204
ECTRP06	ECSWTRP06-26	11/5/98				X				OT-E501103
ECTRP06	ECSWTRP06-26	11/5/98					X			OT-E501301
ECTRP06	ECSWTRP06-26	11/5/98				X				OT-E501102
ECTRP06	ECSWTRP06-26	11/5/98				X				OT-E501101
FIELDQC	110598-EB3-005	11/5/98				X				OT-E548701
FIELDQC	110598-EB3-005	11/5/98						X		OT-E548702
FIELDQC	110598-EB3-005	11/5/98				X				OT-E548602
FIELDQC	110598-EB3-005	11/5/98				X				OT-E548601
FIELDQC	110598-EB4-005	11/5/98				X				OT-E548901
FIELDQC	110598-EB4-005	11/5/98						X		OT-E548902
FIELDQC	110598-EB4-005	11/5/98				X				OT-E548802
FIELDQC	110598-EB4-005	11/5/98				X				OT-E548801
ECPTP02	ECSWPTP02-26	11/9/98				X				OT-E506901
ECPTP02	ECSWPTP02-26	11/9/98						X		OT-E506902
ECPTP02	ECSWPTP02-26	11/9/98						X		OT-E506903
ECPTP02	ECSWPTP02-26	11/9/98						X		OT-E506904
ECPTP02	ECSWPTP02-26	11/9/98				X				OT-E506803
ECPTP02	ECSWPTP02-26	11/9/98					X			OT-E507001
ECPTP02	ECSWPTP02-26	11/9/98				X				OT-E506802
ECPTP02	ECSWPTP02-26	11/9/98				X				OT-E506801
ECPTP05	ECSWPTP05-26	11/9/98				X				OT-E507801
ECPTP05	ECSWPTP05-26	11/9/98						X		OT-E507802
ECPTP05	ECSWPTP05-26	11/9/98						X		OT-E507803
ECPTP05	ECSWPTP05-26	11/9/98						X		OT-E507804
ECPTP05	ECSWPTP05-26	11/9/98				X				OT-E507703

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
ECPTP05	ECSWPTP05-26	11/9/98					X			OT-E507901
ECPTP05	ECSWPTP05-26	11/9/98				X				OT-E507702
ECPTP05	ECSWPTP05-26	11/9/98				X				OT-E507701
ECPTP05	ECSWPTP05-26FD	11/9/98				X				OT-E507805
ECPTP05	ECSWPTP05-26FD	11/9/98						X		OT-E507806
ECPTP05	ECSWPTP05-26FD	11/9/98						X		OT-E507807
ECPTP05	ECSWPTP05-26FD	11/9/98						X		OT-E507808
ECPTP05	ECSWPTP05-26FD	11/9/98				X				OT-E507706
ECPTP05	ECSWPTP05-26FD	11/9/98					X			OT-E507902
ECPTP05	ECSWPTP05-26FD	11/9/98				X				OT-E507705
ECPTP05	ECSWPTP05-26FD	11/9/98				X				OT-E507704
ECPTP01	ECSWPTP01-26	11/10/98				X				OT-E506601
ECPTP01	ECSWPTP01-26	11/10/98						X		OT-E506602
ECPTP01	ECSWPTP01-26	11/10/98						X		OT-E506603
ECPTP01	ECSWPTP01-26	11/10/98						X		OT-E506604
ECPTP01	ECSWPTP01-26	11/10/98				X				OT-E506503
ECPTP01	ECSWPTP01-26	11/10/98					X			OT-E506701
ECPTP01	ECSWPTP01-26	11/10/98				X				OT-E506502
ECPTP01	ECSWPTP01-26	11/10/98				X				OT-E506501
ECPTP03	ECSWPTPT03-26	11/10/98				X				OT-E507201
ECPTP03	ECSWPTPT03-26	11/10/98						X		OT-E507202
ECPTP03	ECSWPTPT03-26	11/10/98						X		OT-E507203
ECPTP03	ECSWPTPT03-26	11/10/98						X		OT-E507204
ECPTP03	ECSWPTPT03-26	11/10/98				X				OT-E507103
ECPTP03	ECSWPTPT03-26	11/10/98					X			OT-E507301
ECPTP03	ECSWPTPT03-26	11/10/98				X				OT-E507102
ECPTP03	ECSWPTPT03-26	11/10/98				X				OT-E507101
ECPTP04	ECSWPTP04-26	11/10/98				X				OT-E507501
ECPTP04	ECSWPTP04-26	11/10/98						X		OT-E507502
ECPTP04	ECSWPTP04-26	11/10/98						X		OT-E507503
ECPTP04	ECSWPTP04-26	11/10/98						X		OT-E507504
ECPTP04	ECSWPTP04-26	11/10/98				X				OT-E507403
ECPTP04	ECSWPTP04-26	11/10/98					X			OT-E507601
ECPTP04	ECSWPTP04-26	11/10/98				X				OT-E507402
ECPTP04	ECSWPTP04-26	11/10/98				X				OT-E507401
ECMWTRP01D	ECMWTRP01D-04	11/13/98				X				OT-E553101
ECMWTRP01D	ECMWTRP01D-04	11/13/98						X		OT-E553102
ECMWTRP01D	ECMWTRP01D-04	11/13/98						X		OT-E553103
ECMWTRP01D	ECMWTRP01D-04	11/13/98						X		OT-E553104
ECMWTRP01D	ECMWTRP01D-04	11/13/98				X				OT-E552903
ECMWTRP01D	ECMWTRP01D-04	11/13/98				X				OT-E552902
ECMWTRP01D	ECMWTRP01D-04	11/13/98				X				OT-E552901
ECMWTRP01S	ECMWTRP01S-04	11/13/98				X				OT-E553001
ECMWTRP01S	ECMWTRP01S-04	11/13/98						X		OT-E553002
ECMWTRP01S	ECMWTRP01S-04	11/13/98						X		OT-E553003
ECMWTRP01S	ECMWTRP01S-04	11/13/98						X		OT-E553004
ECMWTRP01S	ECMWTRP01S-04	11/13/98				X				OT-E552803
ECMWTRP01S	ECMWTRP01S-04	11/13/98				X				OT-E552802
ECMWTRP01S	ECMWTRP01S-04	11/13/98				X				OT-E552801
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98				X				OT-E553005
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98						X		OT-E553006
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98						X		OT-E553007
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98						X		OT-E553008
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98				X				OT-E552806
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98				X				OT-E552805
ECMWTRP01S	ECMWTRP01S-04FD	11/13/98				X				OT-E552804
90MW0015	90MW0015-08	11/16/98				X				OT-E555901
90MW0015	90MW0015-08	11/16/98						X		OT-E555902

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90MW0015	90MW0015-08	11/16/98						X		OT-E555903
90MW0015	90MW0015-08	11/16/98						X		OT-E555904
90MW0015	90MW0015-08	11/16/98				X				OT-E555803
90MW0015	90MW0015-08	11/16/98				X				OT-E555802
90MW0015	90MW0015-08	11/16/98				X				OT-E555801
90MW0085A	90MW0085A-16	11/16/98				X				OT-E555701
90MW0085A	90MW0085A-16	11/16/98						X		OT-E555702
90MW0085A	90MW0085A-16	11/16/98						X		OT-E555703
90MW0085A	90MW0085A-16	11/16/98						X		OT-E555704
90MW0085A	90MW0085A-16	11/16/98				X				OT-E555603
90MW0085A	90MW0085A-16	11/16/98				X				OT-E555602
90MW0085A	90MW0085A-16	11/16/98				X				OT-E555601
90MW0085B	90MW0085B-17	11/16/98				X				OT-E555705
90MW0085B	90MW0085B-17	11/16/98						X		OT-E555706
90MW0085B	90MW0085B-17	11/16/98						X		OT-E555707
90MW0085B	90MW0085B-17	11/16/98						X		OT-E555708
90MW0085B	90MW0085B-17	11/16/98				X				OT-E555606
90MW0085B	90MW0085B-17	11/16/98				X				OT-E555605
90MW0085B	90MW0085B-17	11/16/98				X				OT-E555604
FIELDQC	111698-EB1-005	11/16/98				X				OT-E556501
FIELDQC	111698-EB1-005	11/16/98				X				OT-E556501
FIELDQC	111698-EB1-005	11/16/98						X		OT-E556502
FIELDQC	111698-EB1-005	11/16/98				X				OT-E556402
FIELDQC	111698-EB1-005	11/16/98				X				OT-E556401
90RIW0006	90RIW0006-07	11/17/98				X				OT-E558301
90RIW0006	90RIW0006-07	11/17/98						X		OT-E558302
90RIW0006	90RIW0006-07	11/17/98						X		OT-E558303
90RIW0006	90RIW0006-07	11/17/98						X		OT-E558304
90RIW0006	90RIW0006-07	11/17/98				X				OT-E558203
90RIW0006	90RIW0006-07	11/17/98				X				OT-E558202
90RIW0006	90RIW0006-07	11/17/98				X				OT-E558201
90RIW0014	90RIW0014-20	11/17/98				X				OT-E558305
90RIW0014	90RIW0014-20	11/17/98						X		OT-E558306
90RIW0014	90RIW0014-20	11/17/98						X		OT-E558307
90RIW0014	90RIW0014-20	11/17/98						X		OT-E558308
90RIW0014	90RIW0014-20	11/17/98				X				OT-E558206
90RIW0014	90RIW0014-20	11/17/98				X				OT-E558205
90RIW0014	90RIW0014-20	11/17/98				X				OT-E558204
90RIW0028	90RIW0028-07	11/17/98				X				OT-E558501
90RIW0028	90RIW0028-07	11/17/98						X		OT-E558502
90RIW0028	90RIW0028-07	11/17/98						X		OT-E558503
90RIW0028	90RIW0028-07	11/17/98						X		OT-E558504
90RIW0028	90RIW0028-07	11/17/98				X				OT-E558403
90RIW0028	90RIW0028-07	11/17/98				X				OT-E558402
90RIW0028	90RIW0028-07	11/17/98				X				OT-E558401
90MW0004	90MW0004-14	11/18/98				X				OT-E558801
90MW0004	90MW0004-14	11/18/98						X		OT-E558802
90MW0004	90MW0004-14	11/18/98						X		OT-E558803
90MW0004	90MW0004-14	11/18/98						X		OT-E558804
90MW0004	90MW0004-14	11/18/98				X				OT-E558703
90MW0004	90MW0004-14	11/18/98				X				OT-E558702
90MW0004	90MW0004-14	11/18/98				X				OT-E558701
90MW0004	90MW0004-14	11/18/98				X				OT-E559001
90MW0020	90MW0020-15	11/18/98				X				OT-E558901
90MW0020	90MW0020-15	11/18/98						X		OT-E558902
90MW0020	90MW0020-15	11/18/98						X		OT-E558903
90MW0020	90MW0020-15	11/18/98						X		OT-E558904
90MW0020	90MW0020-15	11/18/98				X				OT-E558709

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90MW0020	90MW0020-15	11/18/98				X				OT-E558708
90MW0020	90MW0020-15	11/18/98				X				OT-E558707
90MW0020	90MW0020-15	11/18/98				X				OT-E559003
90PZ0205	90PZ0205-13	11/18/98				X				OT-E558805
90PZ0205	90PZ0205-13	11/18/98						X		OT-E558806
90PZ0205	90PZ0205-13	11/18/98						X		OT-E558807
90PZ0205	90PZ0205-13	11/18/98						X		OT-E558808
90PZ0205	90PZ0205-13	11/18/98				X				OT-E558706
90PZ0205	90PZ0205-13	11/18/98				X				OT-E558705
90PZ0205	90PZ0205-13	11/18/98				X				OT-E558704
90PZ0205	90PZ0205-13	11/18/98				X				OT-E559002
FIELDQC	111898-EB1-005	11/18/98				X				OT-E559201
FIELDQC	111898-EB1-005	11/18/98						X		OT-E559202
FIELDQC	111898-EB1-005	11/18/98				X				OT-E559102
FIELDQC	111898-EB1-005	11/18/98				X				OT-E559101
FIELDQC	111898-EB1-005	11/18/98				X				OT-E559301
90MP0060C	90MP0060C-09	11/19/98				X				OT-E559501
90MP0060C	90MP0060C-09	11/19/98						X		OT-E559502
90MP0060C	90MP0060C-09	11/19/98						X		OT-E559503
90MP0060C	90MP0060C-09	11/19/98						X		OT-E559504
90MP0060C	90MP0060C-09	11/19/98				X				OT-E559403
90MP0060C	90MP0060C-09	11/19/98				X				OT-E559402
90MP0060C	90MP0060C-09	11/19/98				X				OT-E559401
90MP0060C	90MP0060C-09	11/19/98				X				OT-E559601
90MP0060C	90MP0060C-09FD	11/19/98				X				OT-E559505
90MP0060C	90MP0060C-09FD	11/19/98						X		OT-E559506
90MP0060C	90MP0060C-09FD	11/19/98						X		OT-E559507
90MP0060C	90MP0060C-09FD	11/19/98						X		OT-E559508
90MP0060C	90MP0060C-09FD	11/19/98				X				OT-E559406
90MP0060C	90MP0060C-09FD	11/19/98				X				OT-E559405
90MP0060C	90MP0060C-09FD	11/19/98				X				OT-E559404
90MP0060C	90MP0060C-09FD	11/19/98				X				OT-E559602
90MP0060D	90MP0060D-16	11/19/98				X				OT-E559901
90MP0060D	90MP0060D-16	11/19/98						X		OT-E559902
90MP0060D	90MP0060D-16	11/19/98						X		OT-E559903
90MP0060D	90MP0060D-16	11/19/98						X		OT-E559904
90MP0060D	90MP0060D-16	11/19/98				X				OT-E559703
90MP0060D	90MP0060D-16	11/19/98				X				OT-E559702
90MP0060D	90MP0060D-16	11/19/98				X				OT-E559701
90MP0060D	90MP0060D-16	11/19/98				X				OT-E560101
90MP0060F	90MP0060F-09	11/19/98				X				OT-E559905
90MP0060F	90MP0060F-09	11/19/98						X		OT-E559906
90MP0060F	90MP0060F-09	11/19/98						X		OT-E559907
90MP0060F	90MP0060F-09	11/19/98						X		OT-E559908
90MP0060F	90MP0060F-09	11/19/98				X				OT-E559706
90MP0060F	90MP0060F-09	11/19/98				X				OT-E559705
90MP0060F	90MP0060F-09	11/19/98				X				OT-E559704
90MP0060F	90MP0060F-09	11/19/98				X				OT-E560102
90MW0004	90MW0004-15	12/28/98				X				OT-E571801
90MW0004	90MW0004-15	12/28/98						X		OT-E571802
90MW0004	90MW0004-15	12/28/98						X		OT-E571803
90MW0004	90MW0004-15	12/28/98						X		OT-E571804
90MW0004	90MW0004-15	12/28/98				X				OT-E571701
90MW0020	90MW0020-17	12/28/98				X				OT-E571805
90MW0020	90MW0020-17	12/28/98						X		OT-E571806
90MW0020	90MW0020-17	12/28/98						X		OT-E571807
90MW0020	90MW0020-17	12/28/98						X		OT-E571808
90MW0020	90MW0020-17	12/28/98				X				OT-E571702

Table 2-1
Sample Identification Cross-Reference and Analyses

Location	Sample Number	Date Sampled	VOC	EDB	Met	GC	GC1	GC2	GC3	Control No.
90PZ0205	90PZ0205-14	12/28/98				X				OT-E571901
90PZ0205	90PZ0205-14	12/28/98						X		OT-E571902
90PZ0205	90PZ0205-14	12/28/98						X		OT-E571903
90PZ0205	90PZ0205-14	12/28/98						X		OT-E571904
90PZ0205	90PZ0205-14	12/28/98				X				OT-E571703
90RIW0006	90RIW0006-08	12/29/98				X				OT-E572101
90RIW0006	90RIW0006-08	12/29/98						X		OT-E572102
90RIW0006	90RIW0006-08	12/29/98						X		OT-E572103
90RIW0006	90RIW0006-08	12/29/98						X		OT-E572104
90RIW0006	90RIW0006-08	12/29/98				X				OT-E572303
90RIW0014	90RIW0014-21	12/29/98				X				OT-E572105
90RIW0014	90RIW0014-21	12/29/98						X		OT-E572106
90RIW0014	90RIW0014-21	12/29/98						X		OT-E572107
90RIW0014	90RIW0014-21	12/29/98						X		OT-E572108
90RIW0014	90RIW0014-21	12/29/98				X				OT-E572304
90RIW0028	90RIW0028-08	12/29/98				X				OT-E572201
90RIW0028	90RIW0028-08	12/29/98						X		OT-E572202
90RIW0028	90RIW0028-08	12/29/98						X		OT-E572203
90RIW0028	90RIW0028-08	12/29/98						X		OT-E572204
90RIW0028	90RIW0028-08	12/29/98				X				OT-E572305

VOC = volatile organics

EDB = ethylene dibromide

Met = metals

GC = alkalinity, hardness, ammonia, nitrate, nitrite, TSS, TDS, orthophosphate, Total N, and Total P

GC1 = chlorophyll *a*

GC2 = total organic carbon, dissolved organic carbon, or dissolved inorganic carbon

GC3 = percent solids

3.0 ANALYTICAL PARAMETERS

Analyses of soil and water samples were conducted according to methods specified in the MMR QPP. Off-site analyses were performed by Recra LabNet of University Park, IL, Quanterra Environmental Services of Tampa, FL and the Estuarine/Coastal Chemistry Laboratory at the University of New Hampshire in Durham, NH. All chlorophyll *a* analysis and the December micronutrient analyses were performed by Aquatec Biological Sciences in South Burlington, VT. The laboratories were under subcontract with Jacobs. Table 3-1 lists the analyses performed for this sampling event and their respective precision and accuracy goals.

Table 3-1
Data Quality Objectives for Analytical Methods and
Accuracy, Precision, and Completeness

Analysis	Matrix ^a	Accuracy: Spike Recovery (%)	Precision: Duplicate RPD (%)	Completeness
Volatile Organic Compounds (VOCs) by EPA Method OLC02.1	Aq	CLP ^b	CLP ^b	95
Metals (Total) by EPA Method ILM04.0	Aq	CLP ^b	CLP ^b	95
Ethylene dibromide (EDB) by EPA Method 504.1	Aq	80-120	<13	95
Alkalinity by EPA Method 310.1	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Hardness by EPA Method 130.2	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
TOC, DIC and DOC by EPA Method 415.1	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
TSS and TDS by Standard Methods 2540C and D	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Nitrate by Standard Methods 4500B	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Nitrite by Standard Methods 4500E or F	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Orthophosphate by Standard Methods 4500F	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Ammonia by Standard Methods 4500H	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Total Nitrogen and Total Phosphorus by the Valderrama Method (<i>Marine Chemistry</i>)	Aq	lab: 80-120 field: 75-125	lab: 20 field: 35	95
Chlorophyll a by Standard Methods A10200H	Aq	N/A	N/A	95

^a Aqueous (Aq) media include groundwater, surface water, leachates, and field blanks.

^b Precision and accuracy criteria are those specified in EPA Contract Laboratory Program (CLP) Statements of Work (SOW): *Superfund Analytical Methods for Organics Analysis, Multi-Media, Multi-Concentration, Superfund Analytical Methods for Low Concentration Organics, and Statement of Work for Inorganics Analysis, Multi-Media, Multi-Concentration.*

N/A = not applicable

Data quality is measured by five parameters: precision, accuracy, representativeness, completeness, and comparability (PARCC). The goals set for each of these parameters are referred to as the data quality objectives (DQOs). Actual sample and quality control

results were compared to the project DQOs to determine whether quality objectives were met for the sampling data.

Precision is defined as the degree of agreement between measurements. Sampling precision is evaluated by comparing results between field duplicate pairs. Analytical precision is evaluated by comparing results between laboratory duplicates.

Accuracy is defined as the degree to which the calculated value represents the true value. Sampling accuracy is evaluated using matrix spike results. Analytical accuracy is evaluated using laboratory control sample results.

Representativeness reflects the ability to collect a sample that, when analyzed or measured, reflects the *in situ* conditions of the sample. Representativeness is measured by how well the sampling followed the proposed investigation to provide results accurately depicting the media and environmental conditions. Documentation of field events, by collecting samples in appropriate sample containers, ensuring proper sample preservation techniques, and following established chain-of-custody procedures, confirms that suitable protocols were followed and the analytical data collected is representative of the contaminant levels at that site.

Completeness is a measure of the amount of valid, usable data obtained from the sampling event compared to the amount of data that was expected under normal conditions.

Comparability is a measure of how well the data set parallels related data sets. Samples collected and analyzed during this sampling event are comparable because standardized sampling and analytical protocols were used. In addition, the results are reported in units consistent with contract laboratory program (CLP) and other EPA methods.

4.0 DATA ASSESSMENT

This section discusses data found to be noncompliant with established QC requirements. Qualification of results was based on (1) laboratory QC data, which included holding times, sample preservation, instrument calibration results, surrogate recovery results, internal standard area counts, laboratory blank contamination, blank spike (laboratory control sample) results, laboratory duplicates, matrix spike and matrix spike duplicate analyses, and (2) field QC data, which included field blanks (equipment blanks and trip blanks) and field duplicates.

The QC results were evaluated during the data review process. The following qualifiers were assigned to the data according the review guidelines:

- U - The analyte was analyzed for but was considered not detected. The associated numerical value is a quantitation limit.
- J - The analyte was detected, and the reported concentration is an estimated value.
- UJ - The analyte is considered not detected, and the quantitation limit is an estimated value.
- R - The analysis was rejected; result is unusable.

CLP method-specific qualifiers used by a laboratory to designate noncompliant values have been either accepted or replaced with one of the above qualifiers. Data review qualifiers were entered into the Jacobs' database from which the analytical results of this sampling event were reported.

4.1 LABORATORY QUALITY CONTROL

Analysis of field and laboratory QC samples provided data that allowed an evaluation of the field sample data with respect to the established DQOs. The MMR QPP describes each QC sample type and explains in detail how the results are used to assess the data. This section contains an assessment of the various QC samples and tests. The results of the review are summarized in Section 5.0.

4.1.1 Holding Times and Preservation

When samples are analyzed beyond their respective holding times or when the method-specific sample preservation technique is incorrect, positive results are suspected to be biased low, and nondetect results are suspected to be false negatives. All analytical results reported for samples were rejected if they did not meet the method-specific preservation requirements or were analyzed outside their hold times.

Table 4-1 lists those samples that were rejected (R) due to improper preservation techniques or holding time exceedances.

**Table 4-1
Holding Time Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
90RIW0028	90RIW0028-06	10/28/98	SUSPENDED SOLIDS (RESIDUE, NON-	R
90RIW0006	90RIW0006-06	10/28/98	SUSPENDED SOLIDS (RESIDUE, NON-	R
90RIW0014	90RIW0014-19	10/28/98	SUSPENDED SOLIDS (RESIDUE, NON-	R
90RIW0006	90RIW0006-07	11/17/98	TOTAL DISSOLVED SOLIDS	R
90RIW0014	90RIW0014-20	11/17/98	TOTAL DISSOLVED SOLIDS	R
90RIW0028	90RIW0028-07	11/17/98	TOTAL DISSOLVED SOLIDS	R
90MW0004	90MW0004-15	12/28/98	DISSOLVED INORGANIC CARBON	R
90MW0020	90MW0020-17	12/28/98	DISSOLVED INORGANIC CARBON	R
90PZ0205	90PZ0205-14	12/28/98	SUSPENDED SOLIDS (RESIDUE, NON-	R
90PZ0205	90PZ0205-14	12/28/98	ALKALINITY, TOTAL (AS CaCO ₃)	R
90PZ0205	90PZ0205-14	12/28/98	DISSOLVED INORGANIC CARBON	R
90RIW0006	90RIW0006-08	12/29/98	DISSOLVED INORGANIC CARBON	R
90RIW0014	90RIW0014-21	12/29/98	DISSOLVED INORGANIC CARBON	R
90RIW0028	90RIW0028-08	12/29/98	DISSOLVED INORGANIC CARBON	R

R = rejected

Six dissolved inorganic carbon, four total suspended solids, three total dissolved solids, and one alkalinity groundwater analyses were performed outside of holding time. The holding time criterion was met for greater than 98 percent of the groundwater data. All surface water met the holding time criterion.

4.1.2 Instrument Calibration

A few of the analyses were performed with calibrations that did not meet acceptance criteria. The results listed in Table 4-2 were qualified based on instrument calibration results.

**Table 4-2
Calibration Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
90MP0060C	90MP0060C-08	9/3/98	ACETONE	R
90MP0060C	90MP0060C-08	9/3/98	METHYL ETHYL KETONE (2-BUTANONE)	R
90MP0060C	90MP0060C-08FD	9/3/98	ACETONE	R
90MP0060C	90MP0060C-08FD	9/3/98	METHYL ETHYL KETONE (2-BUTANONE)	R
90MP0060D	90MP0060D-13	9/3/98	ACETONE	R
90MP0060D	90MP0060D-13	9/3/98	METHYL ETHYL KETONE (2-BUTANONE)	R
90MP0060F	90MP0060F-08	9/3/98	ACETONE	R
90MP0060F	90MP0060F-08	9/3/98	METHYL ETHYL KETONE (2-BUTANONE)	R
90MW0015	90MW0015-07	9/10/98	1,2-DIBROMO-3-CHLOROPROPANE	R
90MW0015	90MW0015-07	9/10/98	ACETONE	R
90MW0015	90MW0015-07	9/10/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECSNP07	ECSWSNP07-22	9/21/98	ACETONE	R
ECSNP07	ECSWSNP07-22	9/21/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECSNP08	ECSWSNP08-22	9/21/98	ACETONE	R
ECSNP08	ECSWSNP08-22	9/21/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECMWSNP02S	ECMWSNP02S-15	11/2/98	ACETONE	R
ECMWSNP02S	ECMWSNP02S-15	11/2/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECMWSNP03D	ECMWSNP03D-15	11/2/98	ACETONE	R
ECMWSNP03D	ECMWSNP03D-15	11/2/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECMWSNP03S	ECMWSNP03S-15	11/2/98	ACETONE	R
ECMWSNP03S	ECMWSNP03S-15	11/2/98	METHYL ETHYL KETONE (2-BUTANONE)	R
ECMWSNP02D	ECMWSNP02D-15	11/3/98	ACETONE	R
ECMWSNP02D	ECMWSNP02D-15	11/3/98	METHYL ETHYL KETONE (2-BUTANONE)	R
90RIW0006	90RIW0006-08	12/29/98	NITROGEN, AMMONIA (AS N)	UJ
90RIW0014	90RIW0014-21	12/29/98	NITROGEN, AMMONIA (AS N)	UJ
90RIW0028	90RIW0028-08	12/29/98	NITROGEN, AMMONIA (AS N)	UJ

R = rejected

UJ = estimated nondetect

The only results rejected because of calibrations were three volatile compounds: acetone, methyl-ethyl-ketone, and 1,2-dibromo-3-chloropropane. These compounds commonly have initial and continuing calibration response factors below 0.05. The analytical methods have not set minimum response factor criteria for these compounds; however, data review guidelines require qualification for all compounds with initial and/or

continuing calibration response factors below 0.05. Based on this criterion, 10 acetone, 10 methyl-ethyl-ketone, and one 1,2-dibromo-3-chloropropane non-detected results were rejected in the groundwater samples, and two acetone and two methyl ethyl ketone non-detected results were rejected in the surface water samples. The remaining results affected by calibrations were three ammonia groundwater results. These results were qualified as estimated (J or UJ) and are usable.

Calibrations were acceptable for 100 percent of the EDB, metals, and general chemistry analyses. The volatiles data with acceptable calibrations was 95 percent for both the surface water and groundwater samples. All of the remaining data were usable except for the rejected VOCs, which comprised less than five percent of all of the volatiles data.

4.1.3 Laboratory Blanks

Laboratory blanks are prepared and analyzed along with batches of field samples. Any laboratory blank exhibiting contamination is evaluated against its associated (same analytical batch) field sample to determine if laboratory conditions contributed to a positive detect in the field sample. Usually, positive results in the field samples less than five times the highest associated laboratory blank level are considered nondetect and qualified with the "U" flag. For common laboratory contaminants (i.e., acetone, 2-butanone, methylene chloride, and all phthalates), the action level is 10 times the highest associated laboratory blank level.

Table 4-3 lists the field samples that were qualified based on laboratory blank contamination. These analytes were detected in their respective field samples, but considered not detected because of the levels found in the laboratory blanks.

**Table 4-3
Laboratory Blank Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
90MP0060C	90MP0060C-08FD	9/3/98	BORON (TOTAL)	U
90MP0060C	90MP0060C-08	9/3/98	BORON (TOTAL)	U
90MP0060C	90MP0060C-08FD	9/3/98	ZINC (TOTAL)	U
90MP0060D	90MP0060D-13	9/3/98	BORON (TOTAL)	U
90MP0060D	90MP0060D-13	9/3/98	ZINC (TOTAL)	U
90MP0060F	90MP0060F-08	9/3/98	BORON (TOTAL)	U
ECMWTP01D	ECMWTP01D-07	9/9/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWTRP01D	ECMWTRP01D-03	9/9/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWTRP01S	ECMWTRP01S-03	9/9/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0015	90MW0015-07	9/10/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0015	90MW0015-07	9/10/98	POTASSIUM (TOTAL)	U
90MW0015	90MW0015-07	9/10/98	ZINC (TOTAL)	U
90PZ0205	90PZ0205-09	9/10/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0004	90MW0004-10	9/16/98	NITROGEN, AMMONIA (AS N)	U
90MW0004	90MW0004-10	9/16/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP03	ECSWSNP03A-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP03	ECSWSNP03B-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP06	ECSWSNP06A-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP07	ECSWSNP07-22	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP07	ECSWSNP07-22	9/21/98	ALUMINUM (TOTAL)	U
ECSNP07	ECSWSNP07-22	9/21/98	BERYLLIUM (TOTAL)	U
ECSNP07	ECSWSNP07-22	9/21/98	BORON (TOTAL)	U
ECSNP07	ECSWSNP07-22	9/21/98	ZINC (TOTAL)	U
ECSNP08	ECSWSNP08-22	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP08	ECSWSNP08-22	9/21/98	ALUMINUM (TOTAL)	U
ECSNP08	ECSWSNP08-22	9/21/98	BERYLLIUM (TOTAL)	U
ECSNP08	ECSWSNP08-22	9/21/98	BORON (TOTAL)	U
ECSNP08	ECSWSNP08-22	9/21/98	ZINC (TOTAL)	U
ECTRP05	ECSWTRP05A-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP05	ECSWTRP05A-21FD	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP05	ECSWTRP05B-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP06	ECSWTRP06A-21	9/21/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP02	ECSWSNP02-21	9/22/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP02	ECSWSNP02-21FD	9/22/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP03	ECSWTRP03-21	9/22/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP04	ECSWTRP04-21	9/22/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP01	ECSWPTP01A-21	9/24/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP02	ECSWPTP02A-21	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP03	ECSWPTP03-21	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP04	ECSWPTP04A-21	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP04	ECSWPTP04A-21FD	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP04	ECSWPTP04B-21	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECPTP05	ECSWPTP05A-21	9/25/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0004	90MW0004-11	9/29/98	ALKALINITY, TOTAL (AS CaCO3)	U

Table 4-3
Laboratory Blank Summary

Location	Sample ID	Sample Date	Analyte	Qualifier
90PZ0205	90PZ0205-10	9/29/98	ALKALINITY, TOTAL (AS CaCO3)	U
90PZ0205	90PZ0205-11	10/27/98	ALKALINITY, TOTAL (AS CaCO3)	U
90RIW0028	90RIW0028-06	10/28/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWSNP02S	ECMWSNP02S-15	11/2/98	NITROGEN, AMMONIA (AS N)	U
ECMWSNP02S	ECMWSNP02S-15	11/2/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWSNP02S	ECMWSNP02S-15	11/2/98	ALUMINUM (TOTAL)	U
ECMWSNP02S	ECMWSNP02S-15	11/2/98	COPPER (TOTAL)	U
ECMWSNP02S	ECMWSNP02S-15	11/2/98	MANGANESE (TOTAL)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	NITROGEN, NITRATE (AS N)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	NITROGEN, AMMONIA (AS N)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	ANTIMONY (TOTAL)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	BORON (TOTAL)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	COPPER (TOTAL)	U
ECMWSNP03D	ECMWSNP03D-15	11/2/98	ZINC (TOTAL)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	NITROGEN, AMMONIA (AS N)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	ANTIMONY (TOTAL)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	BORON (TOTAL)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	COPPER (TOTAL)	U
ECMWSNP03S	ECMWSNP03S-15	11/2/98	VANADIUM (TOTAL)	U
ECMWSNP02D	ECMWSNP02D-15	11/3/98	NITROGEN, AMMONIA (AS N)	U
ECMWSNP02D	ECMWSNP02D-15	11/3/98	BORON (TOTAL)	U
ECMWSNP02D	ECMWSNP02D-15	11/3/98	POTASSIUM (TOTAL)	U
ECMWSNP02D	ECMWSNP02D-15	11/3/98	ZINC (TOTAL)	U
ECSNP02	ECSWSNP02-26	11/4/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP05	ECSWTRP05-26	11/4/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP05	ECSWTRP05-26FD	11/4/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP03	ECSWSNP03-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP06	ECSWSNP06-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP07	ECSWSNP07-27	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECSNP08	ECSWSNP08-27	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP01	ECSWTRP01-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP03	ECSWTRP03-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP04	ECSWTRP04-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
ECTRP06	ECSWTRP06-26	11/5/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0020	90MW0020-15	11/18/98	TOTAL DISSOLVED SOLIDS	U
90MW0004	90MW0004-15	12/28/98	ALKALINITY, TOTAL (AS CaCO3)	U
90MW0004	90MW0004-15	12/28/98	TOTAL ORGANIC CARBON	U
90MW0020	90MW0020-17	12/28/98	TOTAL ORGANIC CARBON	U
90PZ0205	90PZ0205-14	12/28/98	PHOSPHORUS, TOTAL PO4 (AS P)	U
90PZ0205	90PZ0205-14	12/28/98	TOTAL ORGANIC CARBON	U
90RIW0006	90RIW0006-08	12/29/98	ALKALINITY, TOTAL (AS CaCO3)	U
90RIW0006	90RIW0006-08	12/29/98	TOTAL ORGANIC CARBON	U

**Table 4-3
Laboratory Blank Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
90RIW0014	90RIW0014-21	12/29/98	ALKALINITY, TOTAL (AS CaCO ₃)	U
90RIW0014	90RIW0014-21	12/29/98	TOTAL ORGANIC CARBON	U
90RIW0028	90RIW0028-08	12/29/98	ALKALINITY, TOTAL (AS CaCO ₃)	U
90RIW0028	90RIW0028-08	12/29/98	TOTAL ORGANIC CARBON	U

U = nondetect

All laboratory blanks accompanying the EDB and volatiles analyses were free from contamination.

The following metals were detected in one or more laboratory blanks: aluminum, antimony, beryllium, boron, copper, manganese, potassium, vanadium, and zinc. Boron and zinc were the most prevalent contaminants in the groundwater samples with seven and five qualified sample results, respectively. Aluminum, beryllium, boron, and zinc each affected two surface water sample results. Contamination from all other listed metals affected no more than three groundwater samples.

The general chemistry parameters alkalinity, ammonia, nitrate, orthophosphate, total dissolved solids, and total organic carbon exhibited some blank contamination among the groundwater samples. Alkalinity was the only general chemistry parameter that affected the surface water results. Alkalinity was also the most prevalent general chemistry contaminant, affecting 31 surface water and 17 groundwater samples. The other listed general chemistry parameters affected no more than six groundwater results.

The qualification of these metals and general chemistry results does not appear to be a function of poor laboratory performance. It is more likely to be a reflection of the low detection limits and the frequency of calibration blank analysis (one calibration blank after each 10 analytical samples for most analyses) than of contamination introduced by the laboratory. The reporting limits (RLs) for these analytes requested in the QPP are often much greater than the actual method detection limits (MDLs) achieved by the individual laboratories. The laboratory is required to report all results to the statistically derived MDL. Thus, the associated laboratory blanks frequently contain trace levels of

analytes that fall between the MDL and RL. Associated sample data have been evaluated based on these blank levels, and positive results less than five times the blank levels should be considered false positives and qualified as non-detected (U).

While the trace levels found in the laboratory blanks lead to more qualified sample results, there is no indication of consistent laboratory contamination that would bias the data evaluated in this sampling round.

4.1.4 Matrix Spikes

Matrix spike (MS) analyses are required for all methods. Matrix spike duplicate (MSD) analyses are required for organic methods. Results of these QC tests are evaluated in the review process. Spiked analytes must have recoveries in the MS/MSD samples that meet pre-established percent recovery criteria. Spiked analytes in the MSD samples must meet pre-established relative percent difference (RPD) criteria. For any spiked analyte that fails the recovery or RPD criteria, the analyte result in the parent sample is qualified as estimated (UJ or J). In cases where recoveries of spiked analytes are extremely low, the result in the parent sample is rejected.

Results that were qualified based on MS/MSD results are listed below.

**Table 4-4
Matrix Spike Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
ECMWSNP02S	ECMWSNP02S-15	11/2/98	1,1,2-TRICHLOROETHANE	UJ
ECMWSNP02S	ECMWSNP02S-15	11/2/98	1,2-DIBROMOETHANE (EDB)	UJ
ECMWSNP02S	ECMWSNP02S-15	11/2/98	1,2-DICHLOROETHANE	UJ
ECSNP03	ECSWSNP03-26	11/5/98	NITROGEN, AMMONIA (AS N)	J

J = estimated detect

UJ = estimated nondetect

All samples analyzed had acceptable MS and/or MSD results. Three groundwater volatile organic compound (VOC) results and one surface water ammonia result were estimated (J or UJ) based on the MS/MSD RPD criteria. There were no trends associated with these results.

The results of the MS/MSD analyses show minimal effect on the sample data from sample matrices.

4.1.5 Laboratory Replicates

Laboratory replicates that are analyzed with metals samples are used to evaluate analytical precision. Analytical precision is evaluated by calculating an RPD when the sample and replicate results are greater than or equal to five times the reporting limit (RL), and by comparing the difference between the results when either one or both of the sample and replicate results is less than five times the RL.

When an analyte from a laboratory duplicate did not meet acceptance criteria, the result in the parent sample was qualified as estimated (J or UJ). Table 4-5 lists the samples and analytes that were estimated based on laboratory replicate results.

**Table 4-5
Laboratory Replicate Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
ECSNP07	ECSWSNP07-22	9/21/98	IRON (TOTAL)	J
ECMWSNP02S	ECMWSNP02S-15	11/2/98	ZINC (TOTAL)	UJ
ECMWSNP02S	ECMWSNP02S-15	11/2/98	BORON (TOTAL)	J
ECTR05	ECSWTRP05-26	11/4/98	NITROGEN	J
ECTR05	ECSWTRP05-26	11/4/98	PHOSPHORUS, TOTAL (AS P)	J
90MW0085B	90MW0085B-17	11/16/98	NITROGEN	J
90MW0085B	90MW0085B-17	11/16/98	PHOSPHORUS, TOTAL (AS P)	J

J = estimated detect

UJ = estimated nondetect

One iron, one total phosphorus, and one total nitrogen result for surface water were qualified based on the laboratory replicate criteria. Also, one boron, one zinc, one total phosphorus, and one total nitrogen result for groundwater were qualified using laboratory replicate criteria. There were no trends indicated by these qualified values. Therefore, the duplicate data showed that the laboratory analysis had good precision.

4.1.6 Laboratory Control Samples

Laboratory control samples (LCSs) and their duplicates (LCSDs) were required to be run for all analyses under the Jacobs laboratory subcontract. Review of the calculated percent recoveries of the spiked analytes provided information on the analytical accuracy. Recoveries were compared to pre-established acceptance limits. The results in associated samples were qualified if the LCS and LCSD recoveries did not fall within the acceptance criteria. Review of the calculated RPD between the LCS and the LCSD results provided information on analytical precision. If a bias in the result was suspected, the resultant qualification was estimated; if the result was suspected to be a false negative, the resultant qualification was rejected (R). Table 4-6 lists the samples analyzed in an analytical batch that were qualified due to non-compliant LCS/LCSD criteria.

Table 4-6
Laboratory Control Samples and Laboratory Control Sample
Duplicates Summary

Location	Sample ID	Sample Date	Analyte	Qualifier
ECMWSNP02S	ECMWSNP02S-15	11/2/98	TETRACHLOROETHYLENE(PCE)	UJ
ECMWSNP03D	ECMWSNP03D-15	11/2/98	TETRACHLOROETHYLENE(PCE)	UJ
ECMWSNP03S	ECMWSNP03S-15	11/2/98	TETRACHLOROETHYLENE(PCE)	UJ

UJ = estimated nondetect

Three groundwater VOC results were estimated (UJ) due to high RPD between the LCS and LCSD. There were no other rejected results based on LCS/LCSD recoveries for this sampling event.

Overall, less than one percent of the VOC results were qualified based on non-compliant LCS/LCSD criteria.

4.1.7 Surrogates

Surrogate compounds are added to each sample undergoing organic analysis to provide information used to evaluate accuracy and determine matrix interference. If surrogate recoveries do not meet pre-established criteria, the sample results are qualified, indicating

probable bias in the results. The sample results are usually estimated if the surrogate recoveries are outside the acceptance criteria. If the surrogate recovery is extremely low (less than 10 percent), the result is rejected.

Sample results were not qualified based on non-compliant surrogate recoveries for this sampling event.

4.1.8 Internal Standards

Internal standards (ISs) are added to samples being analyzed for volatile and semivolatile organic compounds for quantitation. The internal standard (IS) response is compared to the calibration standards to determine whether quantitation using the IS is accurate. If the IS response does not meet pre-established criteria, analytes quantitated using the IS are qualified.

Sample results were not qualified based on non-compliant IS recovery for this sampling event.

4.2 FIELD QUALITY CONTROL

Field QC samples were collected to help assess analytical data quality. The results of the field QC samples for this investigation are discussed in the sections below.

4.2.1 Field Blanks

Field blanks consisted of four trip blanks (TBs), analyzed for volatile organics only, and six equipment blanks (EBs). During data review, sample data may be qualified based on TB and EB results when the analyte result in the associated sample is less than five times (10 times for common laboratory contaminants) in the TB or EB. Table 4-7 lists the sample results that were qualified as a result of contamination in either the trip blank or equipment blank samples.

**Table 4-7
Field Blank Summary**

Location	Sample ID	Sample Date	Analyte	Qualifier
ECSNP06	ECSWSNP06A-21	9/21/98	NITROGEN, NITRITE	U
ECSNP06	ECSWSNP06A-21	9/21/98	NITROGEN, AMMONIA (AS N)	U
ECSNP06	ECSWSNP06A-21	9/21/98	NITROGEN	U
ECSNP06	ECSWSNP06A-21	9/21/98	DISSOLVED ORGANIC CARBON	U
ECTR03	ECSWTRP03-21	9/22/98	NITROGEN, NITRITE	U
ECTR03	ECSWTRP03-21	9/22/98	NITROGEN	U
ECTR03	ECSWTRP03-21	9/22/98	DISSOLVED ORGANIC CARBON	U
ECPT03	ECSWPTP03-21	9/25/98	NITROGEN, NITRATE (AS N)	U
ECPT03	ECSWPTP03-21	9/25/98	DISSOLVED ORGANIC CARBON	U
ECSNP03	ECSWSNP03-26	11/5/98	NITROGEN, NITRATE (AS N)	U
ECSNP03	ECSWSNP03-26	11/5/98	PHOSPHORUS, TOTAL (AS P)	U
ECTR01	ECSWTRP01-26	11/5/98	NITROGEN, NITRATE (AS N)	U
ECTR01	ECSWTRP01-26	11/5/98	NITROGEN, AMMONIA (AS N)	U
ECTR01	ECSWTRP01-26	11/5/98	PHOSPHORUS, TOTAL (AS P)	U
90MW0085A	90MW0085A-16	11/16/98	ALKALINITY, TOTAL (AS CaCO ₃)	U
90MW0085A	90MW0085A-16	11/16/98	NITROGEN	U
90MW0004	90MW0004-14	11/18/98	NITROGEN, NITRITE	U

U = nondetect

Volatile sample results were not qualified due to trip blank contamination.

Equipment blanks (EBs) showed occasional contamination for general chemistry parameters at levels between the detection and reporting limits. For groundwater samples, one nitrite, one total nitrogen, and one alkalinity result were qualified based on EB contamination. For surface water samples, two nitrite, two ammonia, two total phosphorus, two total nitrogen, three nitrate, and three dissolved organic carbon results were qualified based on EB contamination. Only two groundwater and five surface water samples were affected. As discussed in the laboratory blank section, the RLs in the general chemistry and metals methodology are often much greater than the method detection limits. These trace levels lead to more qualified values. No trends were associated with these few qualified results.

In general, the field blanks showed minimum contamination and reflect good sampling procedures.

4.2.2 Field Duplicates

Two groundwater field duplicates (four percent) and six surface water field duplicates (18 percent) were collected and analyzed to evaluate field precision. Field duplicate results are evaluated during the data review process by comparing the original sample results to the duplicate sample results and calculating an RPD. When the RPD exceeds a pre-established limit, positive sample results are qualified as estimated (J). The following samples did not have results comparable to their duplicate pairs.

Table 4-8
Field Duplicate Summary

Location	Sample ID	Sample Date	Analyte	Qualifier
90MP0060C	90MP0060C-08	9/3/98	NITROGEN	J
ECSNP02	ECSWSNP02-21	9/22/98	NITROGEN, NITRATE (AS N)	J
ECPTP04	ECSWPTP04A-21	9/25/98	DISSOLVED ORGANIC CARBON	J
ECSNP02	ECSWSNP02-26	11/4/98	NITROGEN, AMMONIA (AS N)	UJ
ECSNP02	ECSWSNP02-26	11/4/98	NITROGEN	J
ECTRP05	ECSWTRP05-26	11/4/98	NITROGEN, AMMONIA (AS N)	J
ECTRP05	ECSWTRP05-26	11/4/98	NITROGEN	J
ECTRP05	ECSWTRP05-26	11/4/98	PHOSPHORUS, TOTAL (AS P)	J

J = estimated detect

UJ = estimated non-detect

One groundwater and four surface water field duplicate pairs had analytes that did not meet RPD criteria resulting in a total of eight estimated (J or UJ) general chemistry sample results. The analytes differed among the samples indicating no trends or deficiencies in field and analytical precision. This reflects good sampling and analysis practices.

5.0 DATA REVIEW

Table 5-1 presents a summary of the data review actions taken on the sample data for this investigation.

**Table 5-1
Data Review Results Summary**

Review Criteria	VOCs	Metals	EDB	General Chemistry
Sample Results That Met Holding Time and Preservation Requirements	100%	100%	100%	>99%
Sample Results That Did Not Require Qualification Due to Associated Blank Contamination	100%	>88%	100%	>93%
Sample Results with Acceptable Calibration	>95%	100%	100%	100%
Samples Results That Did Not Require Qualification Due to Duplicate Precision	100%	>99%	100%	>99%
Samples Results with Acceptable Spike Recovery	100%	100%	100%	100%

The only unusable data was the rejected data. Estimated results (J or UJ) were usable. Table 5-2 presents the percent completeness summary for this sampling event and lists the total number of rejected data points for each analysis and each matrix. The matrix categories were surface water (WS) and groundwater (WG). The percent completeness objective was 95 percent for aqueous samples.

**Table 5-2
Percent Completeness Summary**

Matrix	Analysis	Rejected Analytes	Total Analytes	% Complete
WG	Ethylene Dibromide	0	14	100
WG	General Chemistry	14	539	97
WG	Metals	0	216	100
WG	Volatile Organics	21	420	95
WS	Ethylene Dibromide	0	2	100
WS	General Chemistry	0	506	100
WS	Metals	0	48	100
WS	Volatile Organics	4	48	95

The surface water samples had percent completeness ranging from 95 to 100 percent, and the groundwater samples had percent completeness ranging from 95 to 100 percent, depending on the analysis.

6.0 CORRECTIVE ACTION AND RESOLUTION

Corrective actions affecting analytical data for the Ecological Studies investigation were performed by the laboratory(ies). When required by the methodology or the MMR QPP, the laboratory(ies) reanalyzed samples that did not meet QC criteria.

Some of the micronutrient samples were diluted to bring the nitrate, total nitrogen and total phosphorus results into the calibrated range of the instrument. The sample detection and reporting limits were adjusted accordingly.

7.0 CONCLUSIONS

Samples were collected in accordance with the MMR QPP, and all field QC requirements were achieved. The data are valid as reported and may be used for decision-making purposes.

Precision and accuracy requirements were achieved in over 95 percent of the data. All groundwater and surface water analyses met the completeness goals. These results are summarized in the tables located in section 5.0. Representativeness was achieved by collecting samples with good sampling technique and finding little blank or matrix interference. Comparability was achieved by analyzing the samples according to the prescribed methods with no deviations and reporting the results in consistent units.

In summary, project goals for precision, accuracy, representativeness, and comparability were met for all samples. The overall data completeness for all samples was greater than 97 percent.

APPENDIX F
VEGETATION TRANSECTS

Field Report: Vegetation Sampling Sheet

Site Name: Snake Pond	Weather: Clear, Cool +45 F
Town: Sandwich, Massachusetts	Date: November 19, 1998
Transect No.: One	Plot No. & Plot Size: Plot B (15' x 15')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall
Soil Type: Merrimac sandy loam (Sheet 19)	Photographs: No

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland habitat found on the northern shore of Snake Pond to the west of the Camp Good News recreational beach area. Herbaceous ground cover is sparse due to high surface water elevation. Plot is partially inundated with 6-7 inches of water. Windfall damaged vegetation is located nearby.

Species List with Estimated Cover and Abundance Rankings for Dominants			
Cover Estimates:	1 - 5%	Abundance Rankings:	5 = Dominant
	6 - 15%		4 = Very Abundant
	16 - 25%		3 = Frequent
	26 - 50%		2 = Occasional
	51 - 75%		1 = Rare
	76 - 95%		
	96 - 100%		

Species Name	Abundance	Estimated Cover
Trees: Absent		
Saplings: Absent		
Shrubs:		
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	3	16-25% (20.5) (32%)
Arrowwood (<i>Viburnum dentatum</i>)	3	16-25% (20.5) (32%)
White Oak (<i>Quercus alba</i>)	2	1-5% (3.0) (5%)
Scarlet Oak (<i>Quercus coccinea</i>)	3	1-5% (3.0) (5%)
American Beech (<i>Fagus grandidentata</i>)	1	1-5% (3.0) (5%)
Pitch Pine (<i>Pinus rigida</i>)	3	6-15% (10.5) (16%)
Black Alder (<i>Ilex verticillata</i>)	2	1-5% (3.0) (5%)
Vines: Absent		
Herbaceous:		
Tree Clubmoss (<i>Lycopodium obscurum</i>)	2	1-5% (3.0) (11%)
Haircap Moss (<i>P. communis</i>)	3	1-5% (3.0) (11%)
Aquatic Macrophyte		
Common Bladderwort (<i>Utricularia</i> sp.)	3	16-25% (20.5) (77%)

Field Report: Vegetation Sampling Sheet

Site Name: Snake Pond	Weather: Clear, Cool +45 F
Town: Sandwich, Massachusetts	Date: November 19, 1998
Transect No. Two	Plot No. & Plot Size: Plot B (15' x 30')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall
Soil Type: Hinckley gravelly sandy loam (Sheet 19)	Photographs: No

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland on the east shore of Snake Pond south of the Camp Good News recreational beach area. Herbaceous ground cover was sparse due to a seasonal high surface water elevation. Plot was partially altered due to wave action. Plants were stressed due to seasonal high water.

Species List with Estimated Cover and Abundance Rankings for Dominants			
Cover Estimates:	1 - 5%	Abundance Rankings:	5 = Dominant
	6 - 15%		4 = Very Abundant
	16 - 25%		3 = Frequent
	26 - 50%		2 = Occasional
	51 - 75%		1 = Rare
	76 - 95%		
	96 - 100%		

Species Name	Abundance	Estimated Cover
Trees:		
Pitch Pine (<i>Pinus rigida</i>)	2	6-15% (10.5) (100%)
Saplings: Absent		
Shrubs:		
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	3	26-50% (38.0) (43%)
Bayberry (<i>Myrica pensylvanica</i>)	3	16-25% (20.5) (23%)
White Oak (<i>Quercus alba</i>)	2	1-5% (3.0) (3%)
Scarlet Oak (<i>Quercus coccinea</i>)	3	1-5% (3.0) (3%)
Pitch Pine (<i>Pinus rigida</i>)	3	16-25% (20.5) (23%)
Vines:		
Bullbrier (<i>Smilax rotundifolia</i>)	2	6-15% (10.5) (100%)
Herbaceous:		
Pennsylvania Sedge (<i>Carex pensylvanica</i>)	3	6-15% (10.5%) (50%)Tree
Hairgrass Grass (<i>Deschampsia flexuosa</i>)	3	6-15% (10.5) (50%)

Field Report: Vegetation Sampling Sheet

Site Name: Snake Pond	Weather: Clear, Mild +65 F
Town: Sandwich, Massachusetts	Date: August 14, 1998
Transect No. Three	Plot No. & Plot Size: Plot B (15' x 30')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall and Bob Gray
Soil Type: Carver loamy coarse sand (Sheet 19)	Photographs: No

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland on the southwest shore of Snake Pond. Herbaceous ground cover was sparse due to the high surface water elevation. Plot was inundated under 16-18 inches of water. Plants were stressed due to high surface water elevation.

Species List with Estimated Cover and Abundance Rankings for Dominants			
Cover Estimates:	1 - 5%	Abundance Rankings:	5 = Dominant
	6 - 15%		4 = Very Abundant
	16 - 25%		3 = Frequent
	26 - 50%		2 = Occasional
	51 - 75%		1 = Rare
	76 - 95%		
	96 - 100%		

Species Name	Abundance	Estimated Cover
Trees:		
Pitch Pine (<i>Pinus rigida</i>)	2	6-15% (10.5) (100%)
Saplings: Absent		
Shrubs:		
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	3	26-50% (38.0) (55%)
Sweet Pepperbush (<i>Clethra alnifolia</i>)	2	6-15% (10.5) (14%)
Meadowsweet (<i>Spiraea latifolia</i>)	3	16-25% (20.5) (30%)
Vines:		
Bullbrier (<i>Smilax rotundifolia</i>)	2	6-15% (10.5) (100%)
Herbaceous:		
Narrow-leaf goldenrod (<i>Euthamia tenuifolia</i>)	2	1-5% (3.0) (25%)
Soft Rush (<i>Juncus effusus</i>)	2	1-5% (3.0) (25%)
Grass-leaf goldenrod (<i>Euthamia graminifolia</i>)	2	1-5% (3.0) (25%)
Aquatic Macrophyte		
Bladderwort (<i>Utricularia</i> sp.)	2	1-5% (3.0) (25%)

Field Report: Vegetation Sampling Sheet

Site Name: Triangle Pond	Weather: Overcast, Light Showers
Town: Sandwich, Massachusetts	Date August 17, 1998
Transect No. One	Plot No. & Plot Size: Plot B (15' x 30')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall and Bob Gray
Soil Type: Carver loamy coarse sand (Sheet 20)	Photographs: Yes

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland on the south shore of Triangle Pond. Herbaceous ground cover was sparse due to the high surface water elevation. Plot was inundated along the upper pond edge. Plants were stressed due to high surface and ground water elevations. Coastal Plain Pond Shore Habitat was sparse.

Species List with Estimated Cover and Abundance Rankings for Dominants			
Cover Estimates:	1 - 5%	Abundance Rankings:	5 = Dominant
	6 - 15%		4 = Very Abundant
	16 - 25%		3 = Frequent
	26 - 50%		2 = Occasional
	51 - 75%		1 = Rare
	76 - 95%		
	96 - 100%		

Species Name	Abundance	Estimated Cover
Trees:		
Red Maple (<i>Acer rubrum</i>)	3	26-50% (38.0) (100%)
Saplings:		
Red Maple (<i>Acer rubrum</i>)	2	6-15% (10.5) (50%)
White Oak (<i>Quercus alba</i>)	2	6-15% (10.5) (50%)
Shrubs:		
White Pine (<i>Pinus strobus</i>)	2	1-5% (3.0) (4%)
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	3	6-15% (10.5) (12%)
Sweet Pepperbush (<i>Clethra alnifolia</i>)	3	16-25% (20.5) (24%)
Speckled Alder (<i>Alnus rugosa</i>)	3	26-50% (38.0) (44%)
Arrowwood (<i>Viburnum dentatum</i>)	2	6-15% (10.5) (12%)
Purple Chokeberry (<i>Aronia prunifolia</i>)	2	1-5 (3.0) (4%)
Vines:		
Bullbrier (<i>Smilax rotundifolia</i>)	3	16-25% (20.5) (100%)
Herbaceous:		
Sweet Pepperbush (<i>C. alnifolia</i>) (seedlings)	3	6-15% (10.5) (100%)
White Pine (<i>P. strobus</i>) (seedlings)	2	Trace

Field Report: Vegetation Sampling Sheet

Site Name: Triangle Pond	Weather: Clear, Humid, +75 F
Town: Sandwich, Massachusetts	Date July 23, 1998
Transect No. Two	Plot No. & Plot Size: Plot B (15' x 30')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall and Bob Gray
Soil Type: Carver coarse sand (Sheet 20)	Photographs: Yes

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland on the northern shore of Triangle Pond east of the recreational beach area. Herbaceous ground cover was reduced due to the high surface water elevation. Plot was inundated along the upper pond edge. Plants were stressed due to high surface and ground water elevations. Coastal Plain Pond Shore Habitat was sparse.

Species List with Estimated Cover and Abundance Rankings for Dominants	
Cover Estimates:	Abundance Rankings:
1 - 5%	5 = Dominant
6 - 15%	4 = Very Abundant
16 - 25%	3 = Frequent
26 - 50%	2 = Occasional
51 - 75%	1 = Rare
76 - 95%	
96 - 100%	

Species Name	Abundance	Estimated Cover
Trees:		
White Pine (<i>Pinus strobus</i>)	2	16-25% (20.5) (100%)
Saplings:		
Bebb Willow (<i>Salix bebbiana</i>)	3	26-50% (38.0) (100%)
Shrubs:		
White Pine (<i>Pinus strobus</i>)	2	6-15% (10.5) (12%)
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	3	16-25% (20.5) (24%)
Sweet Pepperbush (<i>Clethra alnifolia</i>)	3	6-15% (10.5) (12%)
Pitch Pine (<i>Pinus rigida</i>)	2	1-5% (3.0) (4%)
Arrowwood (<i>Viburnum dentatum</i>)	4	26-50% (38.0) (44%)
Winged Sumac (<i>Rhus copallina</i>)	2	1-5% (3.0) (4%)
Vines:		
Virginia Creeper (<i>Parthenocissus quinquefolia</i>)	2	1-5% (3.0) (50%)
Poison Ivy (<i>Toxicodendron radicans</i>)	2	1-5% (3.0) (50%)
Herbaceous:		
Meadowsweet (<i>Spiraea latifolia</i>)	3	6-15% (10.5) (28%)
Grass-leaf Goldenrod (<i>Euthamia graminifolia</i>)	3	6-15% (10.5) (28%)
Narrow-leaf Goldenrod (<i>Euthamia tenuifolia</i>)	3	6-15% (10.5) (28%)
Pennsylvania Sedge (<i>Carex pensylvanica</i>)	2	1-5% (3.0) (8%)
Oak (<i>Quercus</i> sp.) (seedlings)	2	1-5% (3.0) (8%)

Field Report: Vegetation Sampling Sheet

Site Name: Peters Pond	Weather: Clear, +70 F
Town: Sandwich, Massachusetts	Date: August 14, 1998
Transect No. One	Plot No. & Plot Size: Plot B (15' x 30')
Community Type: Scrub-Shrub Wetland	Observers: Don Schall and Bob Gray
Soil Type: Hinckley gravelly sandy loam (Sheet 20)	Photographs: Yes

General Description of the Vegetation Sample Station:

Vegetation sample plot is located in scrub-shrub wetland on the northeast shore of Peters Pond east of the open sand area. Plant cover estimates were changed due to high surface water elevations which impacted the plot. Pitch pine and bayberry specimens were stressed due to surface water elevation. Herbaceous layer is sparse. Coastal Plain Pond Shore Habitat along the shore of Peters Pond is absent due to surface water elevation and substrate slope. Soil profile was unchanged.

Species List with Estimated Cover and Abundance Rankings for Dominants			
Cover Estimates:	1 - 5%	Abundance Rankings:	5 = Dominant
	6 - 15%		4 = Very Abundant
	16 - 25%		3 = Frequent
	26 - 50%		2 = Occasional
	51 - 75%		1 = Rare
	76 - 95%		
	96 - 100%		

Species Name	Abundance	Estimated Cover
Trees:		
Pitch Pine (<i>Pinus rigida</i>)	2	16-25% (20.5) (100%)
Saplings:		
Red Maple (<i>Acer rubrum</i>)	2	6-15% (10.5) (22%)
Bebb Willow (<i>Salix bebbiana</i>)	3	26-50% (38.0) (78%)
Shrubs:		
Highbush Blueberry (<i>Vaccinium corymbosum</i>)	2	6-15% (10.5) (25%)
Bayberry (<i>Myrica pensylvanica</i>)	3	16-25% (20.5) (50%)
Arrowwood (<i>Viburnum dentatum</i>)	2	6-15% (10.5) (25%)
Vines: Absent		
Herbaceous:		
Bluejoint Grass (<i>Calamagrostis canadensis</i>)	2	1-5% (3.0) (100%)

APPENDIX G
SAMPLING SUMMARY

Appendix G
1998 Sampling Summary for FS-12

Study Area	Location	Matrix	Date Sampled	Sample Depth (ft.)	VOC	EDB	SVOC	Pesticides/PCB	Metals	GC1	GC2	GC3	GC4	Frequency of Chemical Sampling/year	Frequency of Physicochemical Sampling/year	Report
Peters Pond	ECMWPTP01D	WG	05/19/98	89.73						X		X		0	4	B/C/D
Peters Pond	ECMWPTP01D	WG	09/09/98	89.50						X		X		0	4	B/C/D
Peters Pond	ECMWPTP01S	WG	05/19/98	12.26						X		X		0	4	B/C/D
Peters Pond	ECMWPTP01S	WG	09/09/98	9.50						X		X		0	4	B/C/D
Peters Pond	ECPTP01	WS	05/19/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP01	WS	06/18/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP01	WS	08/05/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP01	WS	09/24/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP01	WS	11/10/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	05/19/98	29.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	05/19/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	06/18/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	06/18/98	33.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	08/06/98	29.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	08/06/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	09/25/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP02	WS	11/09/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	05/20/98	21.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	05/20/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	06/18/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	08/06/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	09/25/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP03	WS	11/10/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	05/19/98	29.00						X		X		0	6	B/C/D
Peters Pond	ECPTP04	WS	05/19/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	06/18/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	06/18/98	33.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	08/06/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	08/06/98	35.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	09/25/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	09/25/98	37.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP04	WS	11/10/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	05/20/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	06/17/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	06/17/98	33.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	08/06/98	26.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	08/06/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	09/25/98	3.00						X	X	X		0	6	B/C/D
Peters Pond	ECPTP05	WS	11/09/98	3.00						X	X	X		0	6	B/C/D
Snake Pond	90MP0060C	WG	05/21/98	129.00	X	X			X	X		X		4	4	C
Snake Pond	90MP0060C	WG	09/03/98	129.00	X	X			X	X		X		4	4	C
Snake Pond	90MP0060C	WG	11/19/98	127.80						X		X		4	4	C
Snake Pond	90MP0060D	WG	05/21/98	104.00	X	X			X	X		X		4	4	C
Snake Pond	90MP0060D	WG	09/03/98	104.20	X	X			X	X		X		4	4	C
Snake Pond	90MP0060D	WG	11/19/98	102.80						X		X		4	4	C
Snake Pond	90MP0060F	WG	05/21/98	49.00	X	X			X	X		X		4	4	C
Snake Pond	90MP0060F	WG	09/03/98	49.00	X	X			X	X		X		4	4	C

Appendix G
1998 Sampling Summary for FS-12

Study Area	Location	Matrix	Date Sampled	Sample Depth (ft.)	VOC	EDB	SVOC	Pesticides/PCB	Metals	GC0	GC1	GC2	GC3	Frequency of Chemical Sampling/year	Frequency of Physicochemical Sampling/year	Report
Snake Pond	90MP0060F	WG	11/19/98	44.30						X		X		4	4	C
Snake Pond	90MW0004	WG	05/29/98	86.70						X		X		0	12	C
Snake Pond	90MW0004	WG	09/16/98	95.80						X		X		0	12	C
Snake Pond	90MW0004	WG	09/29/98	86.50						X		X		0	12	C
Snake Pond	90MW0004	WG	10/27/98	86.70								X		0	12	C
Snake Pond	90MW0004	WG	10/29/98	86.98						X				0	12	C
Snake Pond	90MW0004	WG	11/18/98	86.96						X		X		0	12	C
Snake Pond	90MW0004	WG	12/28/98	86.90						X		X		0	12	C
Snake Pond	90MW0015	WG	05/29/98	98.70	X	X			X	X	X	X		4	4	C
Snake Pond	90MW0015	WG	09/10/98	99.00	X	X			X	X	X	X		4	4	C
Snake Pond	90MW0015	WG	11/16/98	98.88						X		X		4	4	C
Snake Pond	90MW0020	WG	06/01/98	150.70						X		X		0	12	C
Snake Pond	90MW0020	WG	09/29/98	148.00						X		X		0	12	C
Snake Pond	90MW0020	WG	10/29/98	147.97						X		X		0	12	C
Snake Pond	90MW0020	WG	11/18/98	147.98						X		X		0	12	C
Snake Pond	90MW0020	WG	12/28/98	147.83						X		X		0	12	C
Snake Pond	90MW0085A	WG	05/18/98	125.79						X		X		0	4	C
Snake Pond	90MW0085A	WG	08/12/98	126.10						X		X		0	4	C
Snake Pond	90MW0085A	WG	11/16/98	126.18						X		X		0	4	C
Snake Pond	90MW0085B	WG	05/19/98	90.67						X		X		0	4	C
Snake Pond	90MW0085B	WG	08/12/98	91.00						X		X		0	4	C
Snake Pond	90MW0085B	WG	11/16/98	91.08						X		X		0	4	C
Snake Pond	90PZ0205	WG	05/29/98	7.10						X		X		0	12	C
Snake Pond	90PZ0205	WG	07/29/98	7.50						X		X		0	12	C
Snake Pond	90PZ0205	WG	09/10/98	7.30						X		X		0	12	C
Snake Pond	90PZ0205	WG	09/29/98	7.00						X		X		0	12	C
Snake Pond	90PZ0205	WG	10/27/98	7.78								X		0	12	C
Snake Pond	90PZ0205	WG	10/29/98	7.58						X				0	12	C
Snake Pond	90PZ0205	WG	11/18/98	7.63						X		X		0	12	C
Snake Pond	90PZ0205	WG	12/28/98	7.58						X		X		0	12	C
Snake Pond	90RIW0006	WG	06/02/98	102.39						X		X		0	12	C
Snake Pond	90RIW0006	WG	10/02/98	102.39						X		X		0	12	C
Snake Pond	90RIW0006	WG	10/28/98	102.39						X		X		0	12	C
Snake Pond	90RIW0006	WG	11/17/98	102.39						X		X		0	12	C
Snake Pond	90RIW0006	WG	12/29/98	102.39						X		X		0	12	C
Snake Pond	90RIW0014	WG	06/02/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	07/29/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	08/27/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	09/29/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	10/28/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	11/17/98	136.34						X		X		0	12	C
Snake Pond	90RIW0014	WG	12/29/98	136.34						X		X		0	12	C
Snake Pond	90RIW0028	WG	06/02/98	0.00						X		X		0	12	C
Snake Pond	90RIW0028	WG	08/27/98	0.00						X		X		0	12	C
Snake Pond	90RIW0028	WG	09/29/98	0.00						X		X		0	12	C
Snake Pond	90RIW0028	WG	10/28/98	0.00						X		X		0	12	C
Snake Pond	90RIW0028	WG	11/17/98	0.00						X		X		0	12	C

Appendix G
1998 Sampling Summary for FS-12

Study Area	Location	Matrix	Date Sampled	Sample Depth (ft.)	VOC	EDB	SVOC	Pesticides/PCB	Metals	GC	GC1	GC2	GC3	Frequency of Chemical Sampling/year	Frequency of Physicochemical Sampling/year	Report
Snake Pond	90RIW0028	WG	12/29/98	0.00						X		X		0	12	C
Snake Pond	ECMWSNP02D	WG	05/05/98	82.50	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP02D	WG	08/10/98	85.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP02D	WG	11/03/98	84.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP02S	WG	05/05/98	47.50	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP02S	WG	08/10/98	50.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP02S	WG	11/02/98	50.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03D	WG	05/04/98	82.50	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03D	WG	08/11/98	85.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03D	WG	11/02/98	84.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03S	WG	05/04/98	42.50	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03S	WG	08/10/98	45.00	X	X			X	X		X		4	4	C
Snake Pond	ECMWSNP03S	WG	11/02/98	45.00	X	X			X	X		X		4	4	C
Snake Pond	ECSNP02	WS	05/06/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP02	WS	06/15/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP02	WS	08/03/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP02	WS	09/22/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP02	WS	11/04/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	05/07/98	21.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	05/07/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	06/15/98	21.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	06/15/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	08/03/98	24.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	08/03/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	09/21/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	09/21/98	30.00						X	X	X		0	6	C
Snake Pond	ECSNP03	WS	11/05/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	05/06/98	15.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	05/06/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	06/15/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	08/03/98	21.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	08/03/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	09/21/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP06	WS	11/05/98	3.00						X	X	X		0	6	C
Snake Pond	ECSNP07	WS	05/06/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP07	WS	06/15/98	3.00						X	X	X		As Warranted	6	C
Snake Pond	ECSNP07	WS	08/03/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP07	WS	09/21/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP07	WS	11/05/98	3.00						X	X	X		As Warranted	6	C
Snake Pond	ECSNP08	WS	05/06/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP08	WS	06/15/98	3.00						X	X	X		As Warranted	6	C
Snake Pond	ECSNP08	WS	08/03/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP08	WS	09/21/98	3.00	X	X			X	X	X	X		As Warranted	6	C
Snake Pond	ECSNP08	WS	11/05/98	3.00						X	X	X		As Warranted	6	C
Triangle Pond	ECMWTRP01D	WG	05/20/98	86.70						X		X		0	4	C
Triangle Pond	ECMWTRP01D	WG	09/09/98	87.00						X		X		0	4	C
Triangle Pond	ECMWTRP01D	WG	11/13/98	87.00						X		X		0	4	C
Triangle Pond	ECMWTRP01S	WG	05/20/98	35.00						X		X		0	4	C

Appendix G
1998 Sampling Summary for FS-12

Study Area	Location	Matrix	Date Sampled	Sample Depth (ft.)	VOC	EDB	SVOC	Pesticides/PCB	Metals	GC	GC1	GC2	GC3	Frequency of Chemical Sampling/year	Frequency of Physicochemical Sampling/year	Report
Triangle Pond	ECMWTRP01S	WG	09/09/98	36.00						X		X		0	4	C
Triangle Pond	ECMWTRP01S	WG	11/13/98	36.00						X		X		0	4	C
Triangle Pond	ECTRP01	WS	05/08/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP01	WS	06/15/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP01	WS	08/03/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP01	WS	09/21/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP01	WS	11/05/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP03	WS	05/08/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP03	WS	06/16/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP03	WS	08/04/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP03	WS	09/22/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP03	WS	11/05/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP04	WS	05/07/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP04	WS	06/15/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP04	WS	08/03/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP04	WS	09/22/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP04	WS	11/05/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	05/07/98	17.00						X		X		0	6	C
Triangle Pond	ECTRP05	WS	05/07/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	06/15/98	27.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	06/15/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	08/03/98	24.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	08/03/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	09/21/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	09/21/98	30.00						X	X	X		0	6	C
Triangle Pond	ECTRP05	WS	11/04/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	05/08/98	17.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	05/08/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	06/15/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	08/04/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	09/21/98	3.00						X	X	X		0	6	C
Triangle Pond	ECTRP06	WS	11/05/98	3.00						X	X	X		0	6	C

B = Final Ecological Quarterly Data Report for the Ashumet Valley Groundwater Plume: Fall 1998
C = Draft November 1998 Ecological Assessment Report on the Fuel Spill-12 Treatment System
D = Draft November 1998 Ecological Assessment Report on the Storm Drain-5 North Treatment System

ft = feet

VOC = Volatile Organic Carbon

EDB = Ethylene dibromide

SVOC = Semivolatile Organic Compounds

PCB = Polychlorinated biphenols

GC = General Chemistry

GC1 = General Chemistry 1

GC2 = General Chemistry 2

GC3 = General Chemistry 3

WG = Groundwater

WS = Surface Water

APPENDIX H

CHEMICAL AND PHYSICOCHEMICAL DATA SCREEN

Appendix H-1

Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
90MP0060C	ALKALINITY, TOTAL (AS CaCO3)	09/03/1998	16	MG/L	NA		
	ALUMINUM (TOTAL)	09/03/1998	27.3 J	UG/L	NA		
	BARIUM (TOTAL)	09/03/1998	1.96 J	UG/L	2,000	SDWA, MMCL	No
	CALCIUM (TOTAL)	09/03/1998	2690	UG/L	NA		
	MAGNESIUM (TOTAL)	09/03/1998	1480	UG/L	NA		
	SODIUM (TOTAL)	05/21/1998	8900	UG/L	20,000	MMCL	No
	TOTAL DISSOLVED SOLIDS	05/21/1998	54.1	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	05/21/1998	0.6 J	MG/L	NA		
	HARDNESS (AS CaCO3)	05/21/1998	14.9	UG/L	NA		
	DISSOLVED INORGANIC CARBON	05/21/1998	5.41	UG/L	NA		
	DISSOLVED ORGANIC CARBON	11/19/1998	0.27 J	MG/L	NA		
	NITROGEN	11/19/1998	75.4 J	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	09/03/1998	1.39	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/19/1998	73.8	UG/L	10,000	MMCL	No
	NITROGEN, NITRITE	11/19/1998	0.69 J	UG/L	1,000	MMCL	No
	PHOSPHORUS, TOTAL (AS P)	05/21/1998	65.8	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	05/21/1998	67.6	UG/L	NA		
	POTASSIUM (TOTAL)	09/03/1998	699 J	UG/L	NA		
	ZINC (TOTAL)	09/03/1998	5.8	UG/L	NA		
90MP0060D	ALKALINITY, TOTAL (AS CaCO3)	09/03/1998	15.1	MG/L	NA		
	ALUMINUM (TOTAL)	02/20/1998	66.6 J	UG/L	NA		
	BARIUM (TOTAL)	09/09/1998	2.8 J	UG/L	2,000	SDWA, MMCL	No
	BORON (TOTAL)	05/21/1998	41.4 J	UG/L	NA		
	CALCIUM (TOTAL)	06/25/1998	3180	UG/L	NA		
	COPPER (TOTAL)	02/20/1998	5.4 J	UG/L	1,300	SDWA, MMCL	No
	IRON (TOTAL)	02/20/1998	66.2 J	UG/L	300	SMCL	No
	LEAD (TOTAL)	02/20/1998	1.4 J	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	06/25/1998	1830	UG/L	NA		
	MANGANESE (TOTAL)	01/23/1998	2.8 J	UG/L	50	SMCL	No
	MERCURY (TOTAL)	05/21/1998	0.736	UG/L	2	SDWA, MMCL	No
	POTASSIUM (TOTAL)	04/13/1998	1110 J	UG/L	NA		
	SODIUM (TOTAL)	01/23/1998	13800	UG/L	20,000	MMCL	No
	METHYLENE CHLORIDE	06/25/1998	2.3	UG/L	NA		
	HARDNESS (AS CaCO3)	05/21/1998	29.8	MG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	09/03/1998	1.4	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	11/19/1998	52	MG/L	500*	SMCL	No
	NITROGEN	11/19/1998	74.5	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	09/03/1998	1.18	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/19/1998	76.3	UG/L	10,000	MMCL	No
	NITROGEN, NITRITE	11/19/1998	1.57	UG/L	1,000	MMCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	05/21/1998	67.4	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	05/21/1998	67.4	UG/L	NA		
	VANADIUM (TOTAL)	10/07/1998	0.72 J	UG/L	NA		
	ZINC (TOTAL)	04/13/1998	30.4 J	UG/L	NA		
	DISSOLVED ORGANIC CARBON	11/19/1998	0.38 J	MG/L	NA		
	DISSOLVED INORGANIC CARBON	09/03/1998	4.57	MG/L	NA		
90MP0060F	ALKALINITY, TOTAL (AS CaCO3)	09/03/1998	13.6	MG/L	NA		
	ALUMINUM (TOTAL)	09/03/1998	22.3 J	UG/L	NA		
	BARIUM (TOTAL)	09/03/1998	2.05 J	UG/L	2,000	SDWA, MMCL	No
	BORON (TOTAL)	05/21/1998	44.8 J	UG/L	NA		
	CALCIUM (TOTAL)	05/21/1998	2500	UG/L	NA		
	MAGNESIUM (TOTAL)	05/21/1998	1810	UG/L	NA		
	POTASSIUM (TOTAL)	09/03/1998	739 J	UG/L	NA		
	SODIUM (TOTAL)	05/21/1998	7730	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	09/03/1998	9.52	UG/L	NA		
	HARDNESS (AS CaCO3)	05/21/1998	14.9	MG/L	NA	SMCL	No
	DISSOLVED INORGANIC CARBON	09/03/1998	5.03	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/19/1998	0.67 J	MG/L	NA		
	NITROGEN	11/19/1998	94.3	UG/L	NA	MCL	No
	PHOSPHORUS, TOTAL (AS P)	05/21/1998	90.7	UG/L	NA	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	05/21/1998	82.1	UG/L	NA		

Appendix H-1

Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
90MP0060F cont.	TOTAL DISSOLVED SOLIDS	05/21/1998	50.3	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/19/1998	10	MG/L	NA		
	NITROGEN, AMMONIA (AS N)	09/03/1998	0.67 J	UG/L	NA		
	NITROGEN, NITRITE	11/19/1998	1.56	UG/L	1,000	MMCL	No
	NITROGEN, NITRATE (AS N)	11/19/1998	79.2	UG/L	10,000	MMCL	No
90MW0015	ALUMINUM (TOTAL)	09/10/1998	44.1 J	UG/L	NA		
	BARIUM (TOTAL)	05/29/1998	2.57 J	UG/L	2,000	SDWA,MMCL	No
	BORON (TOTAL)	09/10/1998	96.5	UG/L	NA		
	CADMIUM (TOTAL)	05/29/1998	0.58 J	UG/L	5	MCL	No
	CALCIUM (TOTAL)	05/29/1998	1700	UG/L	NA		
	MAGNESIUM (TOTAL)	05/29/1998	850	UG/L	NA		
	SODIUM (TOTAL)	05/29/1998	6070	UG/L	20,000	MMCL	No
	BENZENE	05/29/1998	1.31	UG/L	5	MCL	No
	CHLOROFORM	05/29/1998	1.32	UG/L	5	MCL	No
	XYLENES, TOTAL	05/29/1998	1.06	UG/L	10,000	MMCL	No
	ALKALINITY, TOTAL (AS CaCO3)	11/16/1998	8.1	MG/L	NA		
	HARDNESS (AS CaCO3)	09/10/1998	8	MG/L	500*	SMCL	No
	DISSOLVED ORGANIC CARBON	11/16/1998	0.27 J	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/16/1998	5.8	MG/L	NA		
	TOTAL ORGANIC CARBON	11/16/1998	0.49 J	MG/L	NA		
	NITROGEN	09/10/1998	282	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	09/10/1998	6.98	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/16/1998	33.4	UG/L	10,000	MMCL	No
	NITROGEN, NITRITE	09/10/1998	0.16 J	UG/L	1,000	MMCL	No
	PHOSPHORUS, TOTAL (AS P)	05/29/1998	32.6	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	05/29/1998	32.2	UG/L	NA		
	TOTAL DISSOLVED SOLIDS	11/16/1998	45	MG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	09/10/1998	2.4	MG/L	NA		
ECMWSNP02D	BORON (TOTAL)	05/05/1998	67.5	UG/L	NA		
	1,2-DIBROMOETHANE (EDB)	11/03/1998	0.029	UG/L	0.02	MMCL	Yes
	ARSENIC (TOTAL)	11/03/1998	1.68 J	UG/L	50	SDWA,MMCL	No
	BARIUM (TOTAL)	08/10/1998	1.42 J	UG/L	2,000	SDWA,MMCL	No
	CALCIUM (TOTAL)	08/10/1998	3070	UG/L	NA		
	CHROMIUM (TOTAL)	05/05/1998	1.17 J	UG/L	100	MCL	No
	COPPER (TOTAL)	11/03/1998	1.12 J	UG/L	1,300	SDWA, MMCL	No
	IRON (TOTAL)	05/05/1998	1360	UG/L	300	SMCL	Yes
	LEAD (TOTAL)	08/10/1998	2.97 J	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	05/05/1998	1500	UG/L	NA		
	MANGANESE (TOTAL)	05/05/1998	10	UG/L	50	SMCL	No
	NICKEL (TOTAL)	08/10/1998	13.4 J	UG/L	100	MCL	No
	POTASSIUM (TOTAL)	05/05/1998	663 J	UG/L	NA		
	SODIUM (TOTAL)	11/03/1998	6260	UG/L	20,000	MMCL	No
	CHLOROFORM	05/05/1998	1.19	UG/L	5	MCL	No
	HARDNESS (AS CaCO3)	05/05/1998	18.9	MG/L	NA		
	ALKALINITY, TOTAL (AS CaCO3)	08/10/1998	16.8	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/03/1998	4.05	MG/L	1,000	MCL	No
	DISSOLVED ORGANIC CARBON	11/03/1998	1.56	MG/L	NA		
	NITROGEN	08/10/1998	217	UG/L	10,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	08/10/1998	58.5	UG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/05/1998	65.4	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	08/10/1998	3.8	MG/L	NA		
	NITROGEN, AMMONIA (AS N)	08/10/1998	4.9	UG/L	NA		
	NITROGEN, NITRITE	08/10/1998	0.24 J	UG/L	1,000	MMCL	No
	NITROGEN, NITRATE (AS N)	11/03/1998	195	UG/L	10,000	MMCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	11/03/1998	53.8	UG/L	NA		
ECMWSNP02S	BARIUM (TOTAL)	08/10/1998	5.49 J	UG/L	2,000	SDWA,MMCL	No
	ALUMINUM (TOTAL)	08/10/1998	180	UG/L	NA		
	BORON (TOTAL)	11/02/1998	113 J	UG/L	NA		
	CALCIUM (TOTAL)	08/10/1998	2580	UG/L	NA		
	CHROMIUM (TOTAL)	05/05/1998	11.7	UG/L	100	MCL	No
	COBALT (TOTAL)	08/10/1998	4 J	UG/L	NA		

Appendix H-1

Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max. Concentrations	Units	Standard (ug/l)	Type	Standard Exceeded ?
ECMWSNP02S cont.	COPPER (TOTAL)	08/10/1998	0.9 J	UG/L	1,300	SDWA, MMCL	No
	IRON (TOTAL)	08/10/1998	7850	UG/L	300	SMCL	Yes
	LEAD (TOTAL)	08/10/1998	2.86	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	08/10/1998	1110	UG/L	NA		
	MANGANESE (TOTAL)	08/10/1998	39.4	UG/L	50	SMCL	No
	NICKEL (TOTAL)	08/10/1998	459	UG/L	100	MCL	Yes
	POTASSIUM (TOTAL)	05/05/1998	648 J	UG/L	NA		
	SODIUM (TOTAL)	08/10/1998	7010	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	08/10/1998	11.1	UG/L	NA		
	CHLOROFORM	11/02/1998	1.09	UG/L	5	MCL	No
	HARDNESS (AS CaCO3)	05/05/1998	19.9	MG/L	500*	SMCL	No
	DISSOLVED INORGANIC CARBON	05/05/1998	3.52	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/02/1998	1.52 J	MG/L	10,000	MCL	No
	NITROGEN	08/10/1998	116	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/02/1998	33.2	UG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/05/1998	132	MG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	05/05/1998	6.1	MG/L	NA		
	NITROGEN, AMMONIA (AS N)	08/10/1998	4.71	UG/L	NA		
	NITROGEN, NITRATE (AS N)	08/10/1998	75.1	UG/L	10,000	MMCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	11/02/1998	24.9	UG/L	NA		
ECMWSNP03D	BARIUM (TOTAL)	08/11/1998	2.7 J	UG/L	2,000	SDWA,MMCL	No
	ALUMINUM (TOTAL)	08/11/1998	148	UG/L	NA		
	BORON (TOTAL)	05/04/1998	142	UG/L	NA		
	CALCIUM (TOTAL)	08/11/1998	1520	UG/L	NA		
	CHROMIUM (TOTAL)	05/04/1998	3.22 J	UG/L	100	MCL	No
	COBALT (TOTAL)	08/11/1998	0.77 J	UG/L	NA		
	COPPER (TOTAL)	05/04/1998	1.53 J	UG/L	1,000	SMCL	No
	IRON (TOTAL)	08/11/1998	1950	UG/L	300	SMCL	Yes
	LEAD (TOTAL)	05/04/1998	2.55 J	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	08/11/1998	791	UG/L	NA		
	MANGANESE (TOTAL)	08/11/1998	16.6	UG/L	50	SMCL	No
	NICKEL (TOTAL)	11/02/1998	57	UG/L	100	MCL	No
	POTASSIUM (TOTAL)	08/11/1998	671 J	UG/L	NA		
	SODIUM (TOTAL)	05/04/1998	6030	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	08/11/1998	5.7	UG/L	NA		
	HARDNESS (AS CaCO3)	05/04/1998	11.9	MG/L	500*	SMCL	No
	DISSOLVED INORGANIC CARBON	08/11/1998	2.21	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/02/1998	0.496 J	MG/L	10,000	MCL	No
	NITROGEN	05/04/1998	58.7	UG/L	10,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	08/11/1998	12.9	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	08/11/1998	4.8	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/04/1998	51	MG/L	NA		
	NITROGEN, AMMONIA (AS N)	08/11/1998	4.8	UG/L	NA		
	NITROGEN, NITRATE (AS N)	08/11/1998	11.1	UG/L	10,000	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	05/04/1998	7.98	UG/L	2,000	MCL	No
ECMWSNP03S	BARIUM (TOTAL)	11/02/1998	3.16 J	UG/L	2,000	SDWA,MMCL	No
	ALUMINUM (TOTAL)	11/02/1998	3570	UG/L	NA		
	BORON (TOTAL)	08/10/1998	63.3	UG/L	NA		
	CALCIUM (TOTAL)	08/10/1998	1910	UG/L	NA		
	CHROMIUM (TOTAL)	08/10/1998	8.05 J	UG/L	100	MCL	No
	COBALT (TOTAL)	11/02/1998	5.07 J	UG/L	NA		
	COPPER (TOTAL)	08/10/1998	0.88 J	UG/L	1,000	SMCL	No
	IRON (TOTAL)	11/02/1998	6340	UG/L	300	SMCL	Yes
	LEAD (TOTAL)	08/10/1998	3.14	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	08/10/1998	1040	UG/L	NA		
	MANGANESE (TOTAL)	08/10/1998	34.7	UG/L	50	SMCL	No
	NICKEL (TOTAL)	11/02/1998	351	UG/L	100	MCL	Yes
	POTASSIUM (TOTAL)	11/02/1998	659 J	UG/L	NA		
	SODIUM (TOTAL)	05/04/1998	6020	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	08/10/1998	9.88	UG/L	NA		
	CHLOROFORM	11/02/1998	1.8	UG/L	5	MCL	No

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Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
ECMWSNP03S cont.	HARDNESS (AS CaCO3)	05/04/1998	10.9	MG/L	NA		
	DISSOLVED INORGANIC CARBON	05/04/1998	3.15	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/02/1998	1.34	MG/L	NA		
	NITROGEN	05/04/1998	54.3	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/02/1998	11.3	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	11/02/1998	9.35	UG/L	2,000	MCL	No
	TOTAL DISSOLVED SOLIDS	11/02/1998	39	MG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	05/04/1998	12.2 J	MG/L	NA		
	NITROGEN, NITRATE (AS N)	05/04/1998	498	UG/L	10,000	MCL	No
	NITROGEN, NITRITE	05/04/1998	0.19 J	UG/L	1,000	MCL	No
90MW0004	BARIUM (TOTAL)	04/20/1998	5.6 J	UG/L	2,000	SDWA, MMCL	No
	CALCIUM (TOTAL)	04/20/1998	6230	UG/L	NA		
	COBALT (TOTAL)	02/03/1998	1.8 J	UG/L	NA		
	COPPER (TOTAL)	02/03/1998	8.3 J	UG/L	1,000	SMCL	No
	IRON (TOTAL)	02/03/1998	48.7 J	UG/L	300	SMCL	No
	MAGNESIUM (TOTAL)	04/20/1998	3700	UG/L	NA		
	MANGANESE (TOTAL)	02/03/1998	3.7 J	UG/L	50	SMCL	No
	POTASSIUM (TOTAL)	04/20/1998	742 J	UG/L	NA		
	SODIUM (TOTAL)	04/20/1998	7060	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	02/03/1998	12.1 J	UG/L	NA		
	TOTAL DISSOLVED SOLIDS	11/18/1998	85	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	11/18/1998	2.5	MG/L	NA		
	NITROGEN	12/28/1998	500	UG/L	NA		
	NITROGEN, NITRITE	11/18/1998	0.4 J	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	11/18/1998	48	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	05/29/1998	20	UG/L	NA		
	NITROGEN, NITRATE (AS N)	09/16/1998	236	UG/L	10,000	MCL	No
	ALKALINITY, TOTAL (AS CaCO3)	10/27/1998	19.2	MG/L	NA		
	DISSOLVED INORGANIC CARBON	10/27/1998	7.98	MG/L	NA		
	DISSOLVED ORGANIC CARBON	12/28/1998	1.32	MG/L	NA		
	TOTAL ORGANIC CARBON	11/18/1998	0.29 J	MG/L	NA		
90MW0020	1,2-DIBROMOETHANE (EDB)	01/29/1998	190	UG/L	0.02	MMCL	Yes
	BENZENE	01/29/1998	1500	UG/L	5	MCL	Yes
	TOLUENE	09/09/1998	28 J	UG/L	1,000	SDWA, MMCL	No
	ALUMINUM (TOTAL)	09/09/1998	35.4 J	UG/L	NA		
	BARIUM (TOTAL)	01/29/1998	3.2 J	UG/L	2,000	SDWA, MMCL	No
	CALCIUM (TOTAL)	04/23/1998	4960	UG/L	NA		
	COBALT (TOTAL)	06/24/1998	8.1	UG/L	NA		
	COPPER (TOTAL)	04/23/1998	3.2 J	UG/L	1,000	SMCL	No
	IRON (TOTAL)	09/09/1998	1270	UG/L	300	SMCL	Yes
	MAGNESIUM (TOTAL)	02/25/1998	2280	UG/L	NA		
	MANGANESE (TOTAL)	09/09/1998	114	UG/L	50	SMCL	Yes
	NICKEL (TOTAL)	01/29/1998	1.7 J	UG/L	100	MMCL	No
	POTASSIUM (TOTAL)	02/25/1998	747 J	UG/L	NA		
	SODIUM (TOTAL)	02/25/1998	10200	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	04/23/1998	49.1	UG/L	NA		
	ALKALINITY, TOTAL (AS CaCO3)	06/01/1998	26.3	MG/L	NA		
	DISSOLVED INORGANIC CARBON	06/01/1998	15.9	MG/L	NA		
	DISSOLVED ORGANIC CARBON	12/28/1998	2.03	MG/L	NA		
	TOTAL ORGANIC CARBON	09/29/1998	0.936 J	MG/L	NA		
	NITROGEN	11/18/1998	16600	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/18/1998	71	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	09/29/1998	89.8	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	11/18/1998	1.1	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	10/29/1998	56	MG/L	500*	SMCL	No
	NITROGEN, NITRITE	12/28/1998	1.9 J	ug/L	1,000	MCL	No
	NITROGEN, NITRATE (AS N)	09/29/1998	6.22	ug/L	NA		
	NITROGEN, AMMONIA (AS N)	09/29/1998	337	ug/L	NA		
90MW0085A	ALKALINITY, TOTAL (AS CaCO3)	05/18/1998	21	MG/L	NA		
	ALUMINUM (TOTAL)	04/13/1998	87.8 J	UG/L	NA		
	BARIUM (TOTAL)	04/13/1998	3.4 J	UG/L	2,000	SDWA, MMCL	No

Appendix H-1 Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Exceeded ?
90MMW0085A	CALCIUM (TOTAL)	08/26/1998	3580	UG/L	NA	MCL	No
cont.	CHROMIUM (TOTAL)	02/16/1998	0.93	UG/L	100	SMCL	No
	COBALT (TOTAL)	04/13/1998	4.9	UG/L	NA	MCL	No
	IRON (TOTAL)	01/26/1998	166	UG/L	300	SMCL	No
	LEAD (TOTAL)	08/26/1998	1.6	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	08/26/1998	2450	UG/L	NA	MMCL	No
	MERCURY (TOTAL)	01/26/1998	0.057	UG/L	2	SDWA, MMCL	No
	NICKEL (TOTAL)	06/16/1998	1.8	UG/L	100	MMCL	No
	POTASSIUM (TOTAL)	04/13/1998	1740	UG/L	NA	MMCL	No
	SODIUM (TOTAL)	01/26/1998	16200	UG/L	20,000	SDWA, MMCL	No
	THALLIUM (TOTAL)	02/16/1998	3.2	UG/L	2	SDWA, MMCL	Yes
	VANADIUM (TOTAL)	04/13/1998	0.85	UG/L	NA	MMCL	No
	ZINC (TOTAL)	02/16/1998	9.6	UG/L	NA	SMCL	No
	TOTAL DISSOLVED SOLIDS	05/18/1998	59	MG/L	500*	MCL	No
	NITROGEN	05/18/1998	72	UG/L	NA	MCL	No
	NITROGEN, NITRATE (AS N)	11/18/1998	64.5	UG/L	10,000	MCL	No
	NITROGEN, NITRITE	08/12/1998	0.38	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	05/18/1998	86.3	UG/L	NA	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	05/18/1998	107	UG/L	NA	MCL	No
	NITROGEN, AMMONIA (AS N)	05/18/1998	2.29	UG/L	NA	MCL	No
	DISSOLVED INORGANIC CARBON	05/18/1998	5.15	MG/L	NA	MCL	No
	PHOSPHORUS, TOTAL (AS P)	08/12/1998	69.1	UG/L	NA	MCL	No
90MMW0085B	ALUMINUM (TOTAL)	04/13/1998	54	UG/L	NA	SDWA, MMCL	No
	BARIUM (TOTAL)	08/26/1998	5.8	UG/L	2,000	SDWA, MMCL	No
	CALCIUM (TOTAL)	10/08/1998	1920	UG/L	NA	MCL	No
	CHROMIUM (TOTAL)	02/16/1998	1.3	UG/L	100	MCL	No
	COBALT (TOTAL)	10/08/1998	0.96	UG/L	NA	MCL	No
	IRON (TOTAL)	01/26/1998	207	UG/L	300	SMCL	No
	LEAD (TOTAL)	04/13/1998	1	UG/L	15	MMCL	No
	MAGNESIUM (TOTAL)	10/08/1998	1920	UG/L	NA	MMCL	No
	MERCURY (TOTAL)	01/26/1998	0.052	UG/L	2	SDWA, MMCL	No
	POTASSIUM (TOTAL)	04/13/1998	694	UG/L	NA	MMCL	No
	SODIUM (TOTAL)	04/13/1998	15800	UG/L	20,000	MMCL	No
	ZINC (TOTAL)	02/16/1998	9.6	UG/L	NA	MMCL	No
	NITROGEN, AMMONIA (AS N)	05/19/1998	19.9	UG/L	NA	MCL	No
	NITROGEN, NITRATE (AS N)	05/19/1998	62.5	UG/L	10,000	MCL	No
	NITROGEN, NITRITE	08/12/1998	0.21	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	11/16/1998	21.6	UG/L	NA	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	05/19/1998	9.36	UG/L	NA	MCL	No
	ALKALINITY, TOTAL (AS CaCO3)	11/16/1998	14.1	MG/L	NA	MCL	No
	DISSOLVED INORGANIC CARBON	11/16/1998	5.2	MG/L	NA	MCL	No
	DISSOLVED ORGANIC CARBON	11/16/1998	0.27	MG/L	NA	MCL	No
	TOTAL DISSOLVED SOLIDS	05/19/1998	45.5	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	02/16/1998	12	MG/L	NA	SMCL	No
	TOTAL ORGANIC CARBON	11/16/1998	0.24	MG/L	NA	SMCL	No
	NITROGEN	11/16/1998	308	UG/L	NA	SMCL	No
90PZ0205	TOTAL DISSOLVED SOLIDS	11/18/1998	81	MG/L	500*	SMCL	No
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/18/1998	1.9	MG/L	NA	MCL	No
	NITROGEN, NITRITE	11/18/1998	0.94	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	11/18/1998	36	UG/L	NA	MCL	No
	NITROGEN, NITRATE (AS N)	05/29/1998	283	UG/L	10,000	MCL	No
	DISSOLVED INORGANIC CARBON	05/29/1998	19.3	MG/L	NA	MCL	No
	DISSOLVED ORGANIC CARBON	11/18/1998	3.1	MG/L	NA	MCL	No
	TOTAL ORGANIC CARBON	11/18/1998	3.6	MG/L	NA	MCL	No
	NITROGEN	09/10/1998	400	UG/L	NA	MCL	No
	NITROGEN, AMMONIA (AS N)	09/29/1998	1.3	UG/L	NA	MCL	No
	PHOSPHORUS, TOTAL (AS P)	11/18/1998	36	UG/L	NA	MCL	No
90RIW0006	SUSPENDED SOLIDS (RESIDUE, NON-FIL	12/29/1998	4	MG/L	10,000	MCL	No
	NITROGEN, NITRATE (AS N)	11/17/1998	70.8	UG/L	NA	MCL	No

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Comparison of Maximum Detected Concentrations in Groundwater at FS-12 to Drinking Water Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
90RIW0006 cont.	NITROGEN, NITRITE	06/02/1998	1.21	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL (AS P)	10/28/1998	69.3	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	10/28/1998	23.6	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	10/02/1998	3.5	UG/L	NA		
	ALKALINITY, TOTAL (AS CaCO3)	10/02/1998	16.1	MG/L	NA		
	DISSOLVED INORGANIC CARBON	10/02/1998	4.98	MG/L	NA		
	DISSOLVED ORGANIC CARBON	06/02/1998	1.72	MG/L	NA		
	TOTAL ORGANIC CARBON	11/17/1998	0.22 J	MG/L	NA		
	NITROGEN	10/02/1998	159	UG/L	NA		
90RIW0014	TOTAL DISSOLVED SOLIDS	09/29/1998	55	MG/L	500*	SMCL	No
	PHOSPHORUS, TOTAL (AS P)	06/02/1998	25.3	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/17/1998	72	UG/L	10,000	MCL	No
	NITROGEN, NITRITE	06/02/1998	0.87 J	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	10/28/1998	22.4	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/17/1998	5.28	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	12/29/1998	4	MG/L	NA		
	ALKALINITY, TOTAL (AS CaCO3)	07/29/1998	24.5	MG/L	NA		
	DISSOLVED INORGANIC CARBON	07/29/1998	5.84	MG/L	NA		
	DISSOLVED ORGANIC CARBON	07/29/1998	1.71	MG/L	NA		
	TOTAL ORGANIC CARBON	11/17/1998	0.67 J	MG/L	NA		
	NITROGEN	09/29/1998	93.5	UG/L	NA		
90RIW0028	NITROGEN, NITRITE	08/27/1998	0.65 J	UG/L	1,000	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	11/17/1998	24	ug/L	NA		
	NITROGEN, NITRATE (AS N)	11/17/1998	71.8	UG/L	10,000	MCL	No
	PHOSPHORUS, TOTAL PO4 (AS P)	11/17/1998	24	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	06/02/1998	5.04	UG/L	NA		
	ALKALINITY, TOTAL (AS CaCO3)	08/27/1998	18.8	MG/L	NA		
	DISSOLVED INORGANIC CARBON	08/27/1998	5.45	MG/L	NA		
	DISSOLVED ORGANIC CARBON	12/29/1998	1.51	MG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL)	09/29/1998	0.3 J	MG/L	NA		
	TOTAL ORGANIC CARBON	11/17/1998	0.26 J	MG/L	NA		
	NITROGEN	09/29/1998	143	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	10/28/1998	24.9	UG/L	NA		

SDWA = Safe Drinking Water Act

MCL = Maximum Contaminant Level

MMCL = Massachusetts Maximum Contaminant Level

* = units are in ug/L

Appendix H-2
Comparison of Maximum Detected
Concentrations in Surface Water at FS-12 to Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
PETERS POND (REFERENCE AREA)							
ECPTP01	ALKALINITY, TOTAL (AS CaCO ₃)	11/10/1998	11.5	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/10/1998	2.91	MG/L	NA		
	DISSOLVED ORGANIC CARBON	09/24/1998	4.36	MG/L	NA		
	NITROGEN	11/10/1998	234	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/10/1998	30.6	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/10/1998	8.14	UG/L	NA		
	NITROGEN, NITRITE (AS N)	11/10/1998	0.36 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	09/24/1998	4.03	UG/L	NA		
	PHOSPHORUS, TOTAL PO ₄ (AS P)	08/05/1998	0.69 J	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FILT)	11/10/1998	1.6	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	11/10/1998	89	MG/L	NA		
	TOTAL ORGANIC CARBON	09/24/1998	3.23	MG/L	NA		
ECPTP02	ALKALINITY, TOTAL (AS CaCO ₃)	08/06/1998	18.7	MG/L	NA		
	DISSOLVED INORGANIC CARBON	05/19/1998	3.36	MG/L	NA		
	DISSOLVED ORGANIC CARBON	09/25/1998	4.54	MG/L	NA		
	NITROGEN	08/06/1998	308	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	05/19/1998	34.6	UG/L	NA		
	NITROGEN, NITRATE (AS N)	05/19/1998	33.8	UG/L	NA		
	NITROGEN, NITRITE (AS N)	08/06/1998	0.57 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	05/19/1998	3.94	UG/L	NA		
	PHOSPHORUS, TOTAL PO ₄ (AS P)	05/19/1998	1.85 J	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FILT)	05/19/1998	2.2	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/19/1998	93.9	MG/L	NA		
	TOTAL ORGANIC CARBON	08/06/1998	2.63	MG/L	NA		
ECPTP03	ALKALINITY, TOTAL (AS CaCO ₃)	05/20/1998	14.6	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/10/1998	2.98	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/10/1998	3.61	MG/L	NA		
	NITROGEN	08/06/1998	279	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/10/1998	36.2	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/10/1998	11	UG/L	NA		
	NITROGEN, NITRITE (AS N)	05/20/1998	0.5 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	06/18/1998	10	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FILT)	05/20/1998	2.9	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	08/06/1998	170	MG/L	NA		
	TOTAL ORGANIC CARBON	08/06/1998	2.51	MG/L	NA		
ECPTP04	ALKALINITY, TOTAL (AS CaCO ₃)	11/10/1998	12.5	MG/L	NA		
	DISSOLVED INORGANIC CARBON	09/25/1998	4.01	MG/L	NA		
	DISSOLVED ORGANIC CARBON	09/25/1998	3.55	MG/L	NA		
	NITROGEN	08/06/1998	256	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/10/1998	37.2	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/10/1998	7.76	UG/L	NA		
	NITROGEN, NITRITE (AS N)	08/06/1998	0.37 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	06/18/1998	7.71	UG/L	NA		
	PHOSPHORUS, TOTAL PO ₄ (AS P)	05/19/1998	2.25 J	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FILT)	06/18/1998	2.3	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	11/10/1998	78	MG/L	NA		
	TOTAL ORGANIC CARBON	08/06/1998	2.97	MG/L	NA		
ECPTP05	ALKALINITY, TOTAL (AS CaCO ₃)	11/09/1998	13.6	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/09/1998	2.82	MG/L	NA		
	DISSOLVED ORGANIC CARBON	09/25/1998	3.96	MG/L	NA		
	NITROGEN	08/06/1998	440	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/09/1998	22.8	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/09/1998	6.51	UG/L	NA		
	NITROGEN, NITRITE (AS N)	08/06/1998	0.48 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	06/17/1998	3.11 J	UG/L	NA		
	PHOSPHORUS, TOTAL PO ₄ (AS P)	06/17/1998	0.83 J	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FILT)	06/17/1998	2.4	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	06/17/1998	73	MG/L	NA		
	TOTAL ORGANIC CARBON	11/09/1998	2.42	MG/L	NA		
SNAKE POND (STUDY AREA)							

Appendix H-2
Comparison of Maximum Detected
Concentrations in Surface Water at FS-12 to Standards (1998)

Location	Analyte	Date	Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
ECSP02	DISSOLVED INORGANIC CARBON	09/22/1998	0.887 J	MG/L	NA		
	DISSOLVED ORGANIC CARBON	11/04/1998	2.55	MG/L	NA		
	NITROGEN	09/22/1998	237	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	06/15/1998	13.7 J	UG/L	NA		
	NITROGEN, NITRATE (AS N)	06/15/1998	4.19	UG/L	NA		
	NITROGEN, NITRITE (AS N)	09/22/1998	0.6 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	05/06/1998	3.23	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	08/03/1998	7 J	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/06/1998	145	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	2.36	MG/L	NA		
ECSP03	ALKALINITY, TOTAL (AS CaCO3)	05/07/1998	3.34 J	MG/L	NA		
	DISSOLVED INORGANIC CARBON	09/21/1998	3.26	MG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	2.52	MG/L	NA		
	NITROGEN	09/21/1998	323	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	06/15/1998	16.7 J	UG/L	NA		
	NITROGEN, NITRATE (AS N)	06/15/1998	4.66 J	UG/L	NA		
	NITROGEN, NITRITE (AS N)	06/15/1998	1.43 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	09/21/1998	7.78	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	09/21/1998	5	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/07/1998	567	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	2.36	MG/L	NA		
ECSP06	DISSOLVED INORGANIC CARBON	05/06/1998	0.878 J	MG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	3.1	MG/L	NA		
	NITROGEN	08/03/1998	261	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	08/03/1998	15.2	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	5.27	UG/L	NA		
	NITROGEN, NITRITE (AS N)	08/03/1998	0.34 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	09/21/1998	3.28	UG/L	NA		
	PHOSPHORUS, TOTAL PO4 (AS P)	05/06/1998	41.4 J	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	05/06/1998	42.2	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/06/1998	355	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	2.36	MG/L	NA		
ECSP07	BARIUM (TOTAL)	05/06/1998	5.31 J	UG/L	3.9	Tier II*	Yes
	BORON (TOTAL)	08/03/1998	90.8 J	UG/L	NA		
	CALCIUM (TOTAL)	08/03/1998	1350	UG/L	NA		
	DISSOLVED INORGANIC CARBON	11/05/1998	0.892 J	MG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	3.14	MG/L	NA		
	HARDNESS (AS CaCO3)	05/06/1998	9.95	MG/L	NA		
	IRON (TOTAL)	09/21/1998	40.9 J	UG/L	1000	AWQC*	No
	LEAD (TOTAL)	05/06/1998	1.04 J	UG/L	2.5	AWQC*	No
	MAGNESIUM (TOTAL)	05/06/1998	955	UG/L	NA		
	MANGANESE (TOTAL)	09/21/1998	6.18 J	UG/L	80		
	NITROGEN	11/05/1998	270	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	06/15/1998	11.1	UG/L	NA		
	NITROGEN, NITRATE (AS N)	06/15/1998	4.86	UG/L	NA		
	NITROGEN, NITRITE (AS N)	09/21/1998	0.59 J	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	05/06/1998	9.77	UG/L	NA		
	POTASSIUM (TOTAL)	08/03/1998	711 J	UG/L	NA		
	SODIUM (TOTAL)	08/03/1998	6160	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/05/1998	1.6	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/06/1998	365	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	2.32	MG/L	NA		
	ZINC (TOTAL)	08/03/1998	8.42	UG/L	100	AWQC*	No
ECSP08	BARIUM (TOTAL)	05/06/1998	4.95 J	UG/L	3.9	Tier II*	Yes
	BORON (TOTAL)	05/06/1998	84.9	UG/L	NA		
	CALCIUM (TOTAL)	08/03/1998	1250	UG/L	NA		
	DISSOLVED INORGANIC CARBON	11/05/1998	0.987 J	MG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	3.5	MG/L	NA		
	HARDNESS (AS CaCO3)	05/06/1998	14.9	MG/L	NA		
	IRON (TOTAL)	09/21/1998	49.9 J	UG/L	1000	AWQC*	No
	MAGNESIUM (TOTAL)	09/21/1998	926	UG/L	NA		

**Appendix H-2
Comparison of Maximum Detected
Concentrations in Surface Water at FS-12 to Standards (1998)**

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
ECSP08	MANGANESE (TOTAL)	05/06/1998	6.31	UG/L	80	Tier II*	No
cont.	NICKEL (TOTAL)	08/03/1998	0.77	UG/L	160	AWQC*	No
	NITROGEN	08/03/1998	761	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	05/06/1998	7.65	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	3.55	UG/L	NA		
	NITROGEN, NITRATE (AS N)	09/21/1998	0.62	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	08/03/1998	12.3	UG/L	NA		
	POTASSIUM (TOTAL)	09/21/1998	740	UG/L	NA		
	SODIUM (TOTAL)	09/21/1998	6300	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	05/06/1998	2.1	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/06/1998	242	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	2.33	MG/L	NA		
	ZINC (TOTAL)	08/03/1998	5.76	UG/L	100	AWQC*	No
ECSP01	ALKALINITY, TOTAL (AS CaCO3)	09/21/1998	65.1	MG/L	NA		
	DISSOLVED INORGANIC CARBON	11/05/1998	0.715	UG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	3.56	MG/L	NA		
	NITROGEN	08/03/1998	274	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	08/03/1998	6.65	UG/L	NA		
	NITROGEN, NITRATE (AS N)	08/03/1998	2.39	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	09/21/1998	0.45	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/05/1998	2.2	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/08/1998	170	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	1.83	MG/L	NA		
ECSP03	DISSOLVED INORGANIC CARBON	11/05/1998	0.69	UG/L	NA		
	DISSOLVED ORGANIC CARBON	11/05/1998	2.66	MG/L	NA		
	NITROGEN	05/08/1998	179	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/05/1998	9.11	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	10	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	0.31	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/05/1998	3.64	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/05/1998	2.2	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/08/1998	240	MG/L	NA		
	TOTAL ORGANIC CARBON	08/04/1998	1.83	MG/L	NA		
ECSP04	ALKALINITY, TOTAL (AS CaCO3)	05/07/1998	2.72	UG/L	NA		
	DISSOLVED INORGANIC CARBON	11/05/1998	0.74	UG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	2.65	MG/L	NA		
	NITROGEN	11/05/1998	518	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/05/1998	5.78	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	13.2	UG/L	NA		
	NITROGEN, NITRATE (AS N)	09/22/1998	0.52	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/05/1998	24.1	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/05/1998	2.7	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/07/1998	127	MG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	1.88	MG/L	NA		
ECSP05	ALKALINITY, TOTAL (AS CaCO3)	05/07/1998	2.51	UG/L	NA		
	DISSOLVED INORGANIC CARBON	09/21/1998	1.73	MG/L	NA		
	DISSOLVED ORGANIC CARBON	08/03/1998	2.48	MG/L	NA		
	NITROGEN	11/04/1998	649	UG/L	NA		
	NITROGEN, AMMONIA (AS N)	11/04/1998	6.48	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/04/1998	11.2	UG/L	NA		
	NITROGEN, NITRATE (AS N)	09/21/1998	0.52	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	11/04/1998	30	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/04/1998	3	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/07/1998	667	UG/L	NA		
	TOTAL ORGANIC CARBON	08/03/1998	1.88	MG/L	NA		
ECSP06	ALKALINITY, TOTAL (AS CaCO3)	05/08/1998	5.54	UG/L	NA		
	DISSOLVED INORGANIC CARBON	05/08/1998	0.723	UG/L	NA		
	DISSOLVED ORGANIC CARBON	08/04/1998	2.41	MG/L	NA		
	NITROGEN	08/04/1998	345	UG/L	NA		

Appendix H-2 Comparison of Maximum Detected Concentrations in Surface Water at FS-12 to Standards (1998)

Location	Analyte	Date	Max Concentration	Units	Standard (ug/l)	Type	Standard Exceeded ?
ECTRP06 cont.	NITROGEN, AMMONIA (AS N)	11/05/1998	12.4	UG/L	NA		
	NITROGEN, NITRATE (AS N)	11/05/1998	11.7	UG/L	NA		
	NITROGEN, NITRITE (AS N)	09/21/1998	0.47	UG/L	NA		
	PHOSPHORUS, TOTAL (AS P)	05/08/1998	3.8	UG/L	NA		
	SUSPENDED SOLIDS (RESIDUE, NON-FIL	11/05/1998	2.9	MG/L	NA		
	TOTAL DISSOLVED SOLIDS	05/08/1998	186	MG/L	NA		
	TOTAL ORGANIC CARBON	09/21/1998	1.82	MG/L	NA		

* EPA, 1996. ECO Update. Office of Solid Waste and Emergency Response, Publication No. 9345.0-12FSI. Washington, D.C.: U.S. Government Pr
AWQC = ambient water quality criteria

APPENDIX I

ANALYTICAL CHEMISTRY DATA

Appendix I **FS-12 Sample Results September to December 1998**

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	MCTNP	METHOD	NITROGEN	127.75	24	0.28	1	UG/L	J	OT-E465802
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	127.75	49	1.24	3	UG/L		OT-E465802
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	127.75	4.99	0.34	1	MG/L		OT-E465902
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	127.75	ND	0.34	1	MG/L	U	OT-E465903
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	127.75	ND	0.34	1	MG/L	U	OT-E465904
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	127.75	27.3	17.5	100	UG/L	J	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	127.75	ND	2.1	5	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	127.75	1.96	0.2	20	UG/L	J	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	127.75	ND	0.3	1	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	127.75	ND	60.4	84	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	127.75	ND	0.005	0.01	UG/L	U	OT-E480401
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	127.75	49	0.1	1	MG/L		OT-E465803
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	127.75	0.2	0.1	1	MG/L	J	OT-E465803
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	127.75	ND	0.14	1	UG/L	U	OT-E465801
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	127.75	14.8	0.14	1	UG/L		OT-E465801
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	127.75	49	0.62	3	UG/L		OT-E465801
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	127.75	1.39	0.42	1	UG/L		OT-E465801
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E130.2	NONE	HARDNESS (AS CaCO3)	127.75	11	2.1	5	MG/L		OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	127.75	16	1	10	MG/L		OT-E465901
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	127.75	ND	0.4	1	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	127.75	2690	14.7	500	UG/L		OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	127.75	ND	0.9	5	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	127.75	ND	1	5	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	127.75	ND	1.1	5	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	127.75	ND	19.9	100	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	127.75	1480	13.7	500	UG/L		OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	127.75	ND	0.4	10	UG/L	UJ	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	127.75	ND	1.1	20	UG/L	UJ	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	127.75	699	33	750	UG/L	J	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	127.75	ND	1.2	10	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	127.75	6640	419	500	UG/L		OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	127.75	ND	0.7	10	UG/L	UJ	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	127.75	5.8	0.6	5	UG/L		OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	127.75	ND	1.3	2	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	127.75	ND	1.8	2	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	127.75	ND	0.1	0.2	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	127.75	ND	1.6	3	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	127.75	ND	1.1	2	UG/L	U	OT-E466003
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	127.75	ND	0.23	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	127.75	ND	0.32	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	127.75	ND	0.33	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	127.75	ND	0.29	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	127.75	ND	0.3	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	127.75	ND	0.31	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	127.75	ND	0.43	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	127.75	ND	0.28	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	127.75	ND	0.24	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	127.75	ND	0.3	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	127.75	ND	0.31	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	127.75	ND	0.25	1	UG/L	U	OT-E466002

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FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	127.75	ND	0.26	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	2-HEXANONE	127.75	ND	1.49	5	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	ACETONE	127.75	-	-	-	UG/L	R	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	BENZENE	127.75	ND	0.28	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	127.75	ND	0.3	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	127.75	ND	0.25	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOFORM	127.75	ND	0.26	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	127.75	ND	0.29	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	127.75	ND	0.27	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	127.75	ND	0.25	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	127.75	ND	0.27	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROFORM	127.75	ND	0.29	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	127.75	ND	0.24	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	127.75	ND	0.32	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	127.75	ND	0.21	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	127.75	-	-	-	UG/L	R	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	127.75	ND	1.42	5	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	127.75	ND	0.28	2	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	STYRENE	127.75	ND	0.26	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	127.75	ND	0.45	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	127.75	ND	0.22	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TOLUENE	127.75	ND	0.29	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	127.75	ND	0.24	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	127.75	ND	0.44	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	127.75	ND	0.35	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	127.75	ND	0.27	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08	09/03/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	127.75	ND	0.79	1	UG/L	U	OT-E466002
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	127.75	-	-	-	UG/L	R	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	BORON (TOTAL)	127.75	ND	54.1	84	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	127.75	ND	0.4	10	UG/L	UJ	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	NICKEL (TOTAL)	127.75	ND	1.1	20	UG/L	UJ	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	127.75	654	33	750	UG/L	J	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	127.75	ND	0.005	0.01	UG/L	U	OT-E480402
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	127.75	49	0.1	1	MG/L		OT-E465806
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	127.75	1.3	0.1	1	MG/L		OT-E465806
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A4500B	NONE	NITROGEN, NITRITE	127.75	ND	0.14	1	UG/L	U	OT-E465804
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	127.75	17.5	0.14	1	UG/L		OT-E465804
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	127.75	49.1	0.62	3	UG/L		OT-E465804
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	127.75	ND	0.42	1	UG/L	U	OT-E465804
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E130.2	NONE	HARDNESS (AS CaCO3)	127.75	12	2.1	5	MG/L		OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	127.75	14.5	1	10	MG/L		OT-E465905
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	MCTNP	METHOD	NITROGEN	127.75	6.2	0.28	1	UG/L	J	OT-E465805
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	127.75	49	1.24	3	UG/L		OT-E465805
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	127.75	4.9	0.34	1	MG/L		OT-E465906
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	127.75	ND	0.34	1	MG/L	U	OT-E465907
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	127.75	ND	0.34	1	MG/L	U	OT-E465908
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	127.75	18.6	17.5	100	UG/L	J	OT-E466006

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	127.75	ND	2.1	5	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	BARIUM (TOTAL)	127.75	1.82	0.2	20	UG/L	J	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	127.75	ND	0.3	1	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	127.75	2.03	0.4	1	UG/L		OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	127.75	2620	14.7	500	UG/L		OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	127.75	ND	0.9	5	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	COBALT (TOTAL)	127.75	ND	1	5	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	COPPER (TOTAL)	127.75	ND	1.1	5	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	IRON (TOTAL)	127.75	ND	19.9	100	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	127.75	1450	13.7	500	UG/L		OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	SILVER (TOTAL)	127.75	ND	1.2	10	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	SODIUM (TOTAL)	127.75	6480	419	500	UG/L		OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	127.75	ND	0.7	10	UG/L	UJ	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C200.7	TOTAL	ZINC (TOTAL)	127.75	ND	3.25	5.1	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	127.75	ND	1.3	2	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C239.2	TOTAL	LEAD (TOTAL)	127.75	ND	1.8	2	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C245.1	TOTAL	MERCURY (TOTAL)	127.75	ND	0.1	0.2	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	127.75	ND	1.6	3	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	127.75	ND	1.1	2	UG/L	U	OT-E466006
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	127.75	ND	0.23	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	127.75	ND	0.32	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	127.75	ND	0.33	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	127.75	ND	0.29	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	127.75	ND	0.3	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	127.75	ND	0.31	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	127.75	ND	0.43	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	127.75	ND	0.28	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	127.75	ND	0.24	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	127.75	ND	0.3	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	127.75	ND	0.31	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	127.75	ND	0.25	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	127.75	ND	0.26	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	2-HEXANONE	127.75	ND	1.49	5	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	ACETONE	127.75	-	-	-	UG/L	R	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	BENZENE	127.75	ND	0.28	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	127.75	ND	0.3	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	127.75	ND	0.25	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	BROMOFORM	127.75	ND	0.26	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	BROMOMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CARBON DISULFIDE	127.75	ND	0.29	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	127.75	ND	0.27	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CHLOROBENZENE	127.75	ND	0.25	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CHLOROETHANE	127.75	ND	0.27	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CHLOROFORM	127.75	ND	0.29	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CHLOROMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	127.75	ND	0.24	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	127.75	ND	0.32	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	127.75	ND	0.28	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	ETHYLBENZENE	127.75	ND	0.21	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	127.75	ND	1.42	5	UG/L	U	OT-E466005

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	METHYLENE CHLORIDE	127.75	ND	0.28	2	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	STYRENE	127.75	ND	0.26	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	127.75	ND	0.45	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	127.75	ND	0.22	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TOLUENE	127.75	ND	0.29	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	127.75	ND	0.24	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	127.75	ND	0.44	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	127.75	ND	0.35	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	VINYL CHLORIDE	127.75	ND	0.27	1	UG/L	U	OT-E466005
90MP0060C	90MP0060C-08FD	09/03/1998	FD1	WG	CVOL	METHOD	XYLENES, TOTAL	127.75	ND	0.79	1	UG/L	U	OT-E466005
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	103.1	ND	0.005	0.01	UG/L	U	OT-E480403
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	103.1	47	0.1	1	MG/L		OT-E466103
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	103.1	1.4	0.1	1	MG/L		OT-E466103
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	103.1	0.18	0.14	1	UG/L	J	OT-E466101
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	103.1	14.3	0.14	1	UG/L		OT-E466101
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	103.1	39.6	0.62	3	UG/L		OT-E466101
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	103.1	1.18	0.42	1	UG/L		OT-E466101
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E130.2	NONE	HARDNESS (AS CaCO3)	103.1	9	2.1	5	MG/L		OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	103.1	15.1	1	10	MG/L		OT-E466201
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	MCTNP	METHOD	NITROGEN	103.1	45.9	0.28	1	UG/L		OT-E466102
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	103.1	39.8	1.24	3	UG/L		OT-E466102
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	103.1	4.57	0.34	1	MG/L		OT-E466202
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	103.1	ND	0.34	1	MG/L	U	OT-E466203
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	103.1	ND	0.34	1	MG/L	U	OT-E466204
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	103.1	ND	17.5	100	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	103.1	ND	2.1	5	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	103.1	2.73	0.2	20	UG/L	J	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	103.1	ND	0.3	1	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	103.1	ND	60.7	84	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	103.1	ND	0.4	1	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	103.1	2180	14.7	500	UG/L		OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	103.1	ND	0.9	5	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	103.1	ND	1	5	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	103.1	ND	1.1	5	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	103.1	ND	19.9	100	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	103.1	1290	13.7	500	UG/L		OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	103.1	ND	0.4	10	UG/L	UJ	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	103.1	ND	1.1	20	UG/L	UJ	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	103.1	715	33	750	UG/L	J	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	103.1	ND	1.2	10	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	103.1	7060	419	500	UG/L		OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	103.1	ND	0.7	10	UG/L	UJ	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	103.1	ND	3.02	5.1	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	103.1	ND	1.3	2	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	103.1	ND	1.8	2	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	103.1	ND	0.1	0.2	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	103.1	ND	1.6	3	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	103.1	ND	1.1	2	UG/L	U	OT-E466303
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	103.1	ND	0.23	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	103.1	ND	0.32	1	UG/L	U	OT-E466302

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	103.1	ND	0.33	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	103.1	ND	0.29	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	103.1	ND	0.3	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	103.1	ND	0.31	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	103.1	ND	0.43	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	103.1	ND	0.28	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	103.1	ND	0.24	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	103.1	ND	0.3	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	103.1	ND	0.31	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	103.1	ND	0.25	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	103.1	ND	0.26	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	2-HEXANONE	103.1	ND	1.49	5	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	ACETONE	103.1	-	-	-	UG/L	R	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	BENZENE	103.1	ND	0.28	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	103.1	ND	0.3	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	103.1	ND	0.25	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	BROMOFORM	103.1	ND	0.26	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	103.1	ND	0.28	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	103.1	ND	0.29	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	103.1	ND	0.27	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	103.1	ND	0.25	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	103.1	ND	0.27	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CHLOROFORM	103.1	ND	0.29	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	103.1	ND	0.28	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	103.1	ND	0.24	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	103.1	ND	0.32	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	103.1	ND	0.28	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	103.1	ND	0.21	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	103.1	-	-	-	UG/L	R	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	103.1	ND	1.42	5	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	103.1	ND	0.28	2	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	STYRENE	103.1	ND	0.26	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	103.1	ND	0.45	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	103.1	ND	0.22	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TOLUENE	103.1	ND	0.29	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	103.1	ND	0.24	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	103.1	ND	0.44	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	103.1	ND	0.35	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	103.1	ND	0.27	1	UG/L	U	OT-E466302
90MP0060D	90MP0060D-13	09/03/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	103.1	ND	0.79	1	UG/L	U	OT-E466302
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	47.75	ND	0.005	0.01	UG/L	U	OT-E480404
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	47.75	49	0.1	1	MG/L		OT-E466403
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	47.75	0.2	0.1	1	MG/L	J	OT-E466403
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	47.75	ND	0.14	1	UG/L	U	OT-E466401
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	47.75	20.9	0.14	1	UG/L		OT-E466401
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	47.75	53.5	0.62	3	UG/L		OT-E466401
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	47.75	0.67	0.42	1	UG/L	J	OT-E466401
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E130.2	NONE	HARDNESS (AS CaCO3)	47.75	10	2.1	5	MG/L		OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	47.75	13.6	1	10	MG/L		OT-E466501
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	MCTNP	METHOD	NITROGEN	47.75	31.3	0.28	1	UG/L		OT-E466402

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	47.75	52.9	1.24	3	UG/L		OT-E466402
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	47.75	5.03	0.34	1	MG/L		OT-E466502
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	47.75	ND	0.34	1	MG/L	U	OT-E466503
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	47.75	ND	0.34	1	MG/L	U	OT-E466504
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	47.75	22.3	17.5	100	UG/L	J	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	47.75	ND	2.1	5	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	47.75	2.05	0.2	20	UG/L	J	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	47.75	ND	0.3	1	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	47.75	ND	42.5	84	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	47.75	ND	0.4	1	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	47.75	2020	14.7	500	UG/L		OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	47.75	ND	0.9	5	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	47.75	ND	1	5	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	47.75	ND	1.1	5	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	47.75	ND	19.9	100	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	47.75	1360	13.7	500	UG/L		OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	47.75	ND	0.4	10	UG/L	UJ	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	47.75	ND	1.1	20	UG/L	UJ	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	47.75	739	33	750	UG/L	J	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	47.75	ND	1.2	10	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	47.75	7670	419	500	UG/L		OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	47.75	ND	0.7	10	UG/L	UJ	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	47.75	9.52	0.6	5	UG/L		OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	47.75	ND	1.3	2	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	47.75	ND	1.8	2	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	47.75	ND	0.1	0.2	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	47.75	ND	1.6	3	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	47.75	ND	1.1	2	UG/L	U	OT-E466603
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	47.75	ND	0.23	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	47.75	ND	0.32	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	47.75	ND	0.33	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	47.75	ND	0.29	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	47.75	ND	0.3	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	47.75	ND	0.31	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	47.75	ND	0.43	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	47.75	ND	0.28	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	47.75	ND	0.24	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	47.75	ND	0.3	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	47.75	ND	0.31	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	47.75	ND	0.25	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	47.75	ND	0.26	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	2-HEXANONE	47.75	ND	1.49	5	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	ACETONE	47.75	-	-	-	UG/L	R	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	BENZENE	47.75	ND	0.28	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	47.75	ND	0.3	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	47.75	ND	0.25	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOFORM	47.75	ND	0.26	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	47.75	ND	0.28	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	47.75	ND	0.29	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	47.75	ND	0.27	1	UG/L	U	OT-E466602

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	47.75	ND	0.25	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	47.75	ND	0.27	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROFORM	47.75	ND	0.29	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	47.75	ND	0.28	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	47.75	ND	0.24	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	47.75	ND	0.32	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	47.75	ND	0.28	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	47.75	ND	0.21	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	47.75	-	-	-	UG/L	R	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	47.75	ND	1.42	5	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	47.75	ND	0.28	2	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	STYRENE	47.75	ND	0.26	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	47.75	ND	0.45	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	47.75	ND	0.22	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TOLUENE	47.75	ND	0.29	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	47.75	ND	0.24	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	47.75	ND	0.44	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	47.75	ND	0.35	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	47.75	ND	0.27	1	UG/L	U	OT-E466602
90MP0060F	90MP0060F-08	09/03/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	47.75	ND	0.79	1	UG/L	U	OT-E466602
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.32	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.33	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.29	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.3	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2,4-TRICHLOROETHANE	0	ND	0.31	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	ND	0.43	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.28	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROETHANE	0	ND	0.3	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.31	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	2-HEXANONE	0	ND	1.49	5	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	ACETONE	0	-	-	-	UG/L	R	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	BENZENE	0	ND	0.28	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.3	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	BROMODICHLOROMETHANE	0	ND	0.25	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	BROMOFORM	0	ND	0.26	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	BROMOMETHANE	0	ND	0.28	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.29	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.27	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CHLOROETHANE	0	ND	0.27	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CHLOROFORM	0	ND	0.29	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.24	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.32	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	ETHYLBENZENE	0	ND	0.21	1	UG/L	U	OT-E480301

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	1.42	5	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	METHYLENE CHLORIDE	0	ND	0.28	2	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	STYRENE	0	ND	0.26	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.45	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.22	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TOLUENE	0	ND	0.29	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.24	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.44	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.35	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.27	1	UG/L	U	OT-E480301
FIELDQC	090398-TB5-005	09/03/1998	TB5	WQ	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.79	1	UG/L	U	OT-E480301
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	89.5	55	0.1	1	MG/L		OT-E465603
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	89.5	ND	0.1	1	MG/L	U	OT-E465603
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	89.5	ND	0.14	1	UG/L	U	OT-E465601
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	89.5	491	0.14	1	UG/L		OT-E465601
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	89.5	18.5	0.62	3	UG/L		OT-E465601
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	89.5	0.66	0.42	1	UG/L	J	OT-E465601
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	89.5	ND	10.2	12.7	MG/L	U	OT-E465701
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	MCTNP	METHOD	NITROGEN	89.5	640	0.28	1	UG/L		OT-E465602
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	89.5	23.4	1.24	3	UG/L		OT-E465602
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	89.5	4.32	0.34	1	MG/L		OT-E465702
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	89.5	0.52	0.34	1	MG/L	J	OT-E465703
ECMWPTP01D	ECMWPTP01D-07	09/09/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	89.5	ND	0.34	1	MG/L	U	OT-E465704
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	9.5	70	0.1	1	MG/L		OT-E465403
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	9.5	0.8	0.1	1	MG/L	J	OT-E465403
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	9.5	0.6	0.14	1	UG/L	J	OT-E465401
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	9.5	460	0.14	1	UG/L		OT-E465401
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	9.5	2.19	0.62	3	UG/L	J	OT-E465401
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	9.5	ND	0.42	1	UG/L	U	OT-E465401
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	9.5	24.6	1	10	MG/L		OT-E465501
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	MCTNP	METHOD	NITROGEN	9.5	591	0.28	1	UG/L		OT-E465402
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	9.5	6.61	1.24	3	UG/L		OT-E465402
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	9.5	10.3	0.34	1	MG/L		OT-E465502
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	9.5	1.1	0.34	1	MG/L		OT-E465503
ECMWPTP01S	ECMWPTP01S-07	09/09/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	9.5	0.659	0.34	1	MG/L	J	OT-E465504
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	87	61	0.1	1	MG/L		OT-E468103
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	87	0.4	0.1	1	MG/L	J	OT-E468103
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	87	0.19	0.14	1	UG/L	J	OT-E468101
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	87	155	0.14	1	UG/L		OT-E468101
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	87	17.4	0.62	3	UG/L		OT-E468101
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	87	0.47	0.42	1	UG/L	J	OT-E468101
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	87	ND	11.7	12.7	MG/L	U	OT-E468201
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	MCTNP	METHOD	NITROGEN	87	398	0.28	1	UG/L		OT-E468102
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	87	22.4	1.24	3	UG/L		OT-E468102
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	87	9.3	0.34	1	MG/L		OT-E468202
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	87	0.432	0.34	1	MG/L	J	OT-E468203
ECMWTRP01D	ECMWTRP01D-03	09/09/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	87	ND	0.34	1	MG/L	U	OT-E468204
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	36	68	0.1	1	MG/L		OT-E467903
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	36	0.9	0.1	1	MG/L	J	OT-E467903

Appendix I
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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	36	ND	0.14	1	UG/L	U	OT-E467901
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	36	5.91	0.14	1	UG/L		OT-E467901
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	36	0.84	0.62	3	UG/L	J	OT-E467901
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	36	1.09	0.42	1	UG/L		OT-E467901
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	36	ND	6.86	12.7	MG/L	U	OT-E468001
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	MCTNP	METHOD	NITROGEN	36	146	0.28	1	UG/L		OT-E467902
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	36	4.7	1.24	3	UG/L		OT-E467902
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	36	6.42	0.34	1	MG/L		OT-E468002
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	36	0.562	0.34	1	MG/L	J	OT-E468003
ECMWTRP01S	ECMWTRP01S-03	09/09/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	36	0.379	0.34	1	MG/L	J	OT-E468004
90MW0015	90MW0015-07	09/10/1998	N1	WG	E504	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	99	ND	0.0045	0.01	UG/L	U	OT-E487402
90MW0015	90MW0015-07	09/10/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	99	ND	0.0047	0.01	UG/L	U	OT-E487402
90MW0015	90MW0015-07	09/10/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	99	42	0.1	1	MG/L		OT-E466903
90MW0015	90MW0015-07	09/10/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	99	2.4	0.1	1	MG/L		OT-E466903
90MW0015	90MW0015-07	09/10/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	99	0.16	0.14	1	UG/L	J	OT-E466901
90MW0015	90MW0015-07	09/10/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	99	6.57	0.14	1	UG/L		OT-E466901
90MW0015	90MW0015-07	09/10/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	99	29.8	0.62	3	UG/L		OT-E466901
90MW0015	90MW0015-07	09/10/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	99	6.98	0.42	1	UG/L		OT-E466901
90MW0015	90MW0015-07	09/10/1998	N1	WG	E130.2	NONE	HARDNESS (AS CaCO3)	99	8	2.1	5	MG/L		OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	99	ND	12.8	16.9	MG/L	U	OT-E467001
90MW0015	90MW0015-07	09/10/1998	N1	WG	MCTNP	METHOD	NITROGEN	99	282	0.28	1	UG/L		OT-E466902
90MW0015	90MW0015-07	09/10/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	99	31.1	1.24	3	UG/L		OT-E466902
90MW0015	90MW0015-07	09/10/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	99	5.48	0.34	1	MG/L		OT-E467002
90MW0015	90MW0015-07	09/10/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	99	ND	0.34	1	MG/L	U	OT-E467003
90MW0015	90MW0015-07	09/10/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	99	ND	0.34	1	MG/L	U	OT-E467004
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	99	44.1	17.5	100	UG/L	J	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	99	ND	2.1	5	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	99	2.09	0.2	20	UG/L	J	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	99	ND	0.3	1	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	99	96.5	1.1	50	UG/L		OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	99	ND	0.4	1	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	99	1580	14.7	500	UG/L		OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	99	ND	0.9	5	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	99	ND	1	5	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	99	ND	1.1	5	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	99	ND	19.9	100	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	99	800	13.7	500	UG/L		OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	99	ND	0.4	10	UG/L	UJ	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	99	ND	1.1	20	UG/L	UJ	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	99	ND	513	750	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	99	ND	1.2	10	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	99	5870	419	500	UG/L		OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	99	ND	0.7	10	UG/L	UJ	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	99	ND	3.92	5.1	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	99	ND	1.3	2	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	99	ND	1.1	2	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	99	ND	0.1	0.2	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	99	ND	1.6	3	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	99	ND	1.1	2	UG/L	U	OT-E469703
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	99	ND	0.21	1	UG/L	U	OT-E487403

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	99	ND	0.23	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	99	ND	0.21	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROETHANE	99	ND	0.31	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	99	-	-	-	UG/L	R	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	99	ND	0.22	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	99	ND	0.26	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	99	ND	0.15	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	99	ND	0.24	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	99	ND	0.2	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	2-HEXANONE	99	ND	0.87	5	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	ACETONE	99	-	-	-	UG/L	R	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	BENZENE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	99	ND	0.23	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	BROMOFORM	99	ND	0.27	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	99	ND	0.16	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	99	ND	0.21	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	99	ND	0.16	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CHLOROFORM	99	ND	0.16	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	99	ND	0.2	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	99	ND	0.14	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	99	ND	0.24	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	99	-	-	-	UG/L	R	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-METHYLENE CHLORIDE	99	ND	0.81	5	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	STYRENE	99	ND	0.17	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	99	ND	0.17	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TOLUENE	99	ND	0.19	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	99	ND	0.18	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	99	ND	0.14	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	99	ND	0.16	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	99	ND	0.14	1	UG/L	U	OT-E487403
90MW0015	90MW0015-07	09/10/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	99	ND	0.2	1	UG/L	U	OT-E487403
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	7.3	44	0.1	1	MG/L		OT-E487503
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	7.3	0.7	0.1	1	MG/L	J	OT-E487503
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	7.3	0.36	0.14	1	UG/L	J	OT-E487501
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	7.3	87.6	0.14	1	UG/L		OT-E487501
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	7.3	1.74	0.62	3	UG/L	J	OT-E487501
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	7.3	ND	0.42	1	UG/L	U	OT-E487501
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	7.3	ND	4.11	16.9	MG/L	U	OT-E487601
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	MCTNP	METHOD	NITROGEN	7.3	400	0.28	1	UG/L		OT-E487502
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	7.3	5.63	1.24	3	UG/L		OT-E487502

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	7.3	17.8	0.34	1	MG/L		OT-E487602
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	7.3	1.17	0.34	1	MG/L		OT-E487603
90PZ0205	90PZ0205-09	09/10/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	7.3	1.3	0.34	1	MG/L		OT-E487604
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.21	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.21	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	ND	0.31	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	-	-	-	UG/L	R	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.22	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROETHANE	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.15	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.2	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	2-HEXANONE	0	ND	0.87	5	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	ACETONE	0	-	-	-	UG/L	R	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	BENZENE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.23	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	BROMODICHLOROMETHANE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	BROMOFORM	0	ND	0.27	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	BROMOMETHANE	0	ND	0.16	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.21	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.16	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CHLOROBENZENE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CHLOROETHANE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CHLOROFORM	0	ND	0.16	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CHLOROMETHANE	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.2	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.14	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.24	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	ETHYLBENZENE	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	0.81	5	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	METHYLENE CHLORIDE	0	1.3	0.19	2	UG/L	J	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	STYRENE	0	ND	0.17	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.17	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TOLUENE	0	ND	0.19	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.18	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.14	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.16	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.14	1	UG/L	U	OT-E487401
FIELDQC	091098-TB5-005	09/10/1998	TB5	WQ	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.2	1	UG/L	U	OT-E487401
90MW0004	90MW0004-10	09/16/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	95.8	78	0.1	1	MG/L		OT-E490303
90MW0004	90MW0004-10	09/16/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	95.8	2	0.1	1	MG/L		OT-E490303
90MW0004	90MW0004-10	09/16/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	95.8	0.15	0.14	1	UG/L	J	OT-E490301
90MW0004	90MW0004-10	09/16/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	95.8	236	0.14	1	UG/L		OT-E490301
90MW0004	90MW0004-10	09/16/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	95.8	13.5	0.62	3	UG/L		OT-E490301

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MW0004	90MW0004-10	09/16/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	95.8	ND	1.27	4.7	UG/L	U	OT-E490301
90MW0004	90MW0004-10	09/16/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	95.8	ND	11.7	16.9	MG/L	U	OT-E490401
90MW0004	90MW0004-10	09/16/1998	N1	WG	MCTNP	METHOD	NITROGEN	95.8	250	0.28	1	UG/L		OT-E490302
90MW0004	90MW0004-10	09/16/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	95.8	10.4	1.24	3	UG/L		OT-E490302
90MW0004	90MW0004-10	09/16/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	95.8	7.36	0.34	1	MG/L		OT-E490402
90MW0004	90MW0004-10	09/16/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	95.8	0.803	0.34	1	MG/L	J	OT-E490403
90MW0004	90MW0004-10	09/16/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	95.8	ND	0.34	1	MG/L	U	OT-E490404
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	33	0.1	1	MG/L		OT-E473003
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.2	0.1	1	MG/L		OT-E473003
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.57	0.14	1	UG/L	J	OT-E473001
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E473001
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E473001
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.05	0.42	1	UG/L		OT-E473001
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.69	13.7	MG/L	U	OT-E473101
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	323	0.28	1	UG/L		OT-E473002
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	7.78	1.24	3	UG/L		OT-E473002
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.5	0.012	0.1	UG/L		OT-E473201
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.753	0.34	1	MG/L	J	OT-E473102
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.05	0.34	1	MG/L		OT-E473103
ECSNP03	ECSWSNP03A-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.98	0.34	1	MG/L		OT-E473104
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	30	33	0.1	1	MG/L		OT-E473006
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	30	5	0.1	1	MG/L		OT-E473006
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	30	0.47	0.14	1	UG/L	J	OT-E473004
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	30	ND	0.14	1	UG/L	U	OT-E473004
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	30	ND	0.62	3	UG/L	U	OT-E473004
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	30	2.38	0.42	1	UG/L		OT-E473004
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	30	ND	6.75	13.7	MG/L	U	OT-E473105
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	30	197	0.28	1	UG/L		OT-E473005
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	30	3.69	1.24	3	UG/L		OT-E473005
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	30	6.1	0.012	0.1	UG/L		OT-E473202
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	30	3.26	0.34	1	MG/L		OT-E473106
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	30	1.88	0.34	1	MG/L		OT-E473107
ECSNP03	ECSWSNP03B-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	30	1.33	0.34	1	MG/L		OT-E473108
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	33	0.1	1	MG/L		OT-E473403
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.2	0.1	1	MG/L		OT-E473403
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.56	2.1	UG/L	U	OT-E473401
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E473401
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E473401
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	ND	1.1	5.5	UG/L	U	OT-E473401
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	5.06	13.7	MG/L	U	OT-E473501
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	ND	205	354	UG/L	U	OT-E473402
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.28	1.24	3	UG/L		OT-E473402
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.8	0.012	0.1	UG/L		OT-E473601
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.695	0.34	1	MG/L	J	OT-E473502
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	ND	2.96	7.75	MG/L	U	OT-E473503
ECSNP06	ECSWSNP06A-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.04	0.34	1	MG/L		OT-E473504
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	IRON (TOTAL)	3	40.9	12.5	100	UG/L	J	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	E504	METHOD	1,2-DIBROMOETHANE (EDB)	3	ND	0.005	0.01	UG/L	U	OT-E474001
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	35	0.1	1	MG/L		OT-E473803
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.2	0.1	1	MG/L		OT-E473803

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.59	0.14	1	UG/L	J	OT-E473801
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	0.2	0.14	1	UG/L	J	OT-E473801
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E473801
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.69	0.42	1	UG/L		OT-E473801
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	5.7	13.7	MG/L	U	OT-E473904
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	243	0.28	1	UG/L		OT-E473802
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	4.18	1.24	3	UG/L		OT-E473802
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	3.9	0.012	0.1	UG/L		OT-E474101
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.759	0.34	1	MG/L	J	OT-E473905
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.66	0.34	1	MG/L		OT-E473906
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.08	0.34	1	MG/L		OT-E473907
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	ALUMINUM (TOTAL)	3	ND	32.9	168	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	ANTIMONY (TOTAL)	3	ND	1.8	5	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	BARIUM (TOTAL)	3	4.18	0.3	20	UG/L	J	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	BERYLLIUM (TOTAL)	3	ND	0.83	4.5	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	BORON (TOTAL)	3	ND	57.3	132	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	CADMIUM (TOTAL)	3	ND	0.3	1	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	CALCIUM (TOTAL)	3	1110	4.6	500	UG/L		OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	CHROMIUM (TOTAL)	3	ND	0.8	5	UG/L	UJ	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	COBALT (TOTAL)	3	ND	0.4	5	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	COPPER (TOTAL)	3	ND	0.6	5	UG/L	UJ	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	MAGNESIUM (TOTAL)	3	848	4.8	500	UG/L		OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	MANGANESE (TOTAL)	3	6.18	0.3	10	UG/L	J	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	NICKEL (TOTAL)	3	ND	0.6	20	UG/L	UJ	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	POTASSIUM (TOTAL)	3	693	20.4	750	UG/L	J	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	SILVER (TOTAL)	3	ND	0.7	10	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	SODIUM (TOTAL)	3	5740	276	500	UG/L		OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	VANADIUM (TOTAL)	3	ND	0.6	10	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C200.7	TOTAL	ZINC (TOTAL)	3	ND	6.21	6.95	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C206.2	TOTAL	ARSENIC (TOTAL)	3	ND	1	2	UG/L	UJ	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C239.2	TOTAL	LEAD (TOTAL)	3	ND	1.3	2	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C245.1	TOTAL	MERCURY (TOTAL)	3	ND	0.1	0.2	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C270.2	TOTAL	SELENIUM (TOTAL)	3	ND	1.6	3	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	C279.2	TOTAL	THALLIUM (TOTAL)	3	ND	1.1	2	UG/L	U	OT-E473903
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,1-TRICHLOROETHANE	3	ND	0.23	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	3	ND	0.32	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,2-TRICHLOROETHANE	3	ND	0.33	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,1-DICHLOROETHANE	3	ND	0.29	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,1-DICHLOROETHENE	3	ND	0.3	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	3	ND	0.31	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	3	ND	0.43	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	3	ND	0.28	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROBENZENE	3	ND	0.24	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROETHANE	3	ND	0.3	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROPROPANE	3	ND	0.31	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,3-DICHLOROBENZENE	3	ND	0.25	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	1,4-DICHLOROBENZENE	3	ND	0.26	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	2-HEXANONE	3	ND	1.49	5	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	ACETONE	3	-	-	-	UG/L	R	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	BENZENE	3	ND	0.28	1	UG/L	U	OT-E473902

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOCHLOROMETHANE	3	ND	0.3	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	BROMODICHLOROMETHANE	3	ND	0.25	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOFORM	3	ND	0.26	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOMETHANE	3	ND	0.28	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CARBON DISULFIDE	3	ND	0.29	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CARBON TETRACHLORIDE	3	ND	0.27	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROBENZENE	3	ND	0.25	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROETHANE	3	ND	0.27	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROFORM	3	ND	0.29	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROMETHANE	3	ND	0.28	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	3	ND	0.24	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	3	ND	0.32	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	DIBROMOCHLOROMETHANE	3	ND	0.28	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	ETHYLBENZENE	3	ND	0.21	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	3	-	-	-	UG/L	R	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	3	ND	1.42	5	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	METHYLENE CHLORIDE	3	ND	0.28	2	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	STYRENE	3	ND	0.26	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TERT-BUTYL METHYL ETHER	3	ND	0.45	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	3	ND	0.22	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TOLUENE	3	ND	0.29	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	3	ND	0.24	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	3	ND	0.44	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	3	ND	0.35	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	VINYL CHLORIDE	3	ND	0.27	1	UG/L	U	OT-E473902
ECSNP07	ECSWSNP07-22	09/21/1998	N1	WS	CVOL	METHOD	XYLENES, TOTAL	3	ND	0.79	1	UG/L	U	OT-E473902
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	E504	METHOD	1,2-DIBROMOETHANE (EDB)	3	ND	0.005	0.01	UG/L	U	OT-E474501
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	38	0.1	1	MG/L		OT-E474303
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.3	0.1	1	MG/L		OT-E474303
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.62	0.14	1	UG/L	J	OT-E474301
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E474301
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E474301
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	2.57	0.42	1	UG/L		OT-E474301
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	4.64	13.7	MG/L	U	OT-E474403
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	222	0.28	1	UG/L		OT-E474302
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	4.85	1.24	3	UG/L		OT-E474302
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	4.6	0.012	0.1	UG/L		OT-E474601
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.849	0.34	1	MG/L	J	OT-E474404
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.58	0.34	1	MG/L		OT-E474405
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.16	0.34	1	MG/L		OT-E474406
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	ALUMINUM (TOTAL)	3	ND	36.4	168	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	ANTIMONY (TOTAL)	3	ND	1.8	5	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	BARIUM (TOTAL)	3	4.58	0.3	20	UG/L	J	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	BERYLLIUM (TOTAL)	3	ND	0.71	4.5	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	BORON (TOTAL)	3	ND	48.2	132	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	CADMIUM (TOTAL)	3	ND	0.3	1	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	CALCIUM (TOTAL)	3	1210	4.6	500	UG/L		OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	CHROMIUM (TOTAL)	3	ND	0.8	5	UG/L	UJ	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	COBALT (TOTAL)	3	ND	0.4	5	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	COPPER (TOTAL)	3	ND	0.6	5	UG/L	UJ	OT-E474402

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	IRON (TOTAL)	3	49.9	12.5	100	UG/L	J	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	MAGNESIUM (TOTAL)	3	926	4.8	500	UG/L		OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	MANGANESE (TOTAL)	3	6.12	0.3	10	UG/L	J	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	NICKEL (TOTAL)	3	ND	0.6	20	UG/L	UJ	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	POTASSIUM (TOTAL)	3	740	20.4	750	UG/L	J	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	SILVER (TOTAL)	3	ND	0.7	10	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	SODIUM (TOTAL)	3	6300	276	500	UG/L		OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	VANADIUM (TOTAL)	3	ND	0.6	10	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C200.7	TOTAL	ZINC (TOTAL)	3	ND	6.35	6.95	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C206.2	TOTAL	ARSENIC (TOTAL)	3	ND	1	2	UG/L	UJ	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C239.2	TOTAL	LEAD (TOTAL)	3	ND	1.3	2	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C245.1	TOTAL	MERCURY (TOTAL)	3	ND	0.1	0.2	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C270.2	TOTAL	SELENIUM (TOTAL)	3	ND	1.6	3	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	C279.2	TOTAL	THALLIUM (TOTAL)	3	ND	1.1	2	UG/L	U	OT-E474402
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,1-TRICHLOROETHANE	3	ND	0.23	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	3	ND	0.32	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,1,2-TRICHLOROETHANE	3	ND	0.33	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,1-DICHLOROETHANE	3	ND	0.29	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,1-DICHLOROETHENE	3	ND	0.3	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	3	ND	0.31	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	3	ND	0.43	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	3	ND	0.28	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROBENZENE	3	ND	0.24	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROETHANE	3	ND	0.3	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,2-DICHLOROPROPANE	3	ND	0.31	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,3-DICHLOROBENZENE	3	ND	0.25	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	1,4-DICHLOROBENZENE	3	ND	0.26	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	2-HEXANONE	3	ND	1.49	5	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	ACETONE	3	-	-	-	UG/L	R	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	BENZENE	3	ND	0.28	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOCHLOROMETHANE	3	ND	0.3	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	BROMODICHLOROMETHANE	3	ND	0.25	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOFORM	3	ND	0.26	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	BROMOMETHANE	3	ND	0.28	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CARBON DISULFIDE	3	ND	0.29	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CARBON TETRACHLORIDE	3	ND	0.27	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROBENZENE	3	ND	0.25	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROETHANE	3	ND	0.27	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROFORM	3	ND	0.29	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CHLOROMETHANE	3	ND	0.28	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	3	ND	0.24	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	3	ND	0.32	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	DIBROMOCHLOROMETHANE	3	ND	0.28	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	ETHYLBENZENE	3	ND	0.21	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	3	-	-	-	UG/L	R	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	3	ND	1.42	5	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	METHYLENE CHLORIDE	3	ND	0.28	2	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	STYRENE	3	ND	0.26	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TERT-BUTYL METHYL ETHER	3	ND	0.45	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	3	ND	0.22	1	UG/L	U	OT-E474401

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TOLUENE	3	ND	0.29	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	3	ND	0.24	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	3	ND	0.44	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	3	ND	0.35	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	VINYL CHLORIDE	3	ND	0.27	1	UG/L	U	OT-E474401
ECSNP08	ECSWSNP08-22	09/21/1998	N1	WS	CVOL	METHOD	XYLENES, TOTAL	3	ND	0.79	1	UG/L	U	OT-E474401
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	36	0.1	1	MG/L		OT-E474903
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E474903
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.45	0.14	1	UG/L	J	OT-E474901
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E474901
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E474901
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.03	0.42	1	UG/L		OT-E474901
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	65.1	1	10	MG/L		OT-E475001
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	185	0.28	1	UG/L		OT-E474902
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.06	1.24	3	UG/L		OT-E474902
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.6	0.012	0.1	UG/L		OT-E475101
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.605	0.34	1	MG/L	J	OT-E475002
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.1	0.34	1	MG/L		OT-E475003
ECTRP01	ECSWTRP01-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.79	0.34	1	MG/L		OT-E475004
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	44	0.1	1	MG/L		OT-E476203
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E476203
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.52	0.14	1	UG/L	J	OT-E476201
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E476201
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E476201
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	0.76	0.42	1	UG/L	J	OT-E476201
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	6.44	13.7	MG/L	U	OT-E476301
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	257	0.28	1	UG/L		OT-E476202
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	4.63	1.24	3	UG/L		OT-E476202
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.4	0.012	0.1	UG/L		OT-E476501
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.654	0.34	1	MG/L	J	OT-E476302
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.69	0.34	1	MG/L		OT-E476303
ECTRP05	ECSWTRP05A-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.86	0.34	1	MG/L		OT-E476304
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	39	0.1	1	MG/L		OT-E476206
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.7	0.1	1	MG/L		OT-E476206
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.47	0.14	1	UG/L	J	OT-E476204
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E476204
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E476204
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.21	0.42	1	UG/L		OT-E476204
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	4.11	13.7	MG/L	U	OT-E476305
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	207	0.28	1	UG/L		OT-E476205
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.88	1.24	3	UG/L	J	OT-E476205
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.5	0.012	0.1	UG/L		OT-E476502
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.657	0.34	1	MG/L	J	OT-E476306
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.82	0.34	1	MG/L		OT-E476307
ECTRP05	ECSWTRP05A-21FD	09/21/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.84	0.34	1	MG/L		OT-E476308
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	30	34	0.1	1	MG/L		OT-E476209
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	30	2.3	0.1	1	MG/L		OT-E476209
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	30	0.45	0.14	1	UG/L	J	OT-E476207
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	30	ND	0.14	1	UG/L	U	OT-E476207
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	30	ND	0.62	3	UG/L	U	OT-E476207

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	30	3.14	0.42	1	UG/L		OT-E476207
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	30	ND	5.06	13.7	MG/L	U	OT-E476401
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	30	255	0.28	1	UG/L		OT-E476208
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	30	2.79	1.24	3	UG/L	J	OT-E476208
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	30	5.2	0.012	0.1	UG/L		OT-E476503
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	30	1.73	0.34	1	MG/L		OT-E476402
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	30	1.9	0.34	1	MG/L		OT-E476403
ECTRP05	ECSWTRP05B-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	30	1.44	0.34	1	MG/L		OT-E476404
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	42	0.1	1	MG/L		OT-E476703
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E476703
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.47	0.14	1	UG/L	J	OT-E476701
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	0.96	0.14	1	UG/L	J	OT-E476701
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E476701
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	0.58	0.42	1	UG/L	J	OT-E476701
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	4.96	13.7	MG/L	U	OT-E476801
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	177	0.28	1	UG/L		OT-E476702
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.04	1.24	3	UG/L	J	OT-E476702
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.4	0.012	0.1	UG/L		OT-E476901
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.572	0.34	1	MG/L	J	OT-E476802
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.2	0.34	1	MG/L		OT-E476803
ECTRP06	ECSWTRP06A-21	09/21/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.82	0.34	1	MG/L		OT-E476804
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E504	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.005	0.01	UG/L	U	OT-E493701
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	A4500B	NONE	NITROGEN, NITRITE	0	0.42	0.14	1	UG/L	J	OT-E493501
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	ND	0.14	1	UG/L	U	OT-E493501
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E493501
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	1.1	0.42	1	UG/L		OT-E493501
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E130.2	NONE	HARDNESS (AS CaCO3)	0	20	2.1	5	MG/L		OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	2.53	13.7	MG/L	U	OT-E493601
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	MCTNP	METHOD	NITROGEN	0	70.8	0.28	1	UG/L		OT-E493502
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E493502
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E493602
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	1.55	0.34	1	MG/L		OT-E493603
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E493604
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	ALUMINUM (TOTAL)	0	ND	28.3	168	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	ANTIMONY (TOTAL)	0	ND	1.8	5	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	BARIIUM (TOTAL)	0	2.39	0.3	20	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	BERYLLIUM (TOTAL)	0	ND	0.71	4.5	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	BORON (TOTAL)	0	ND	43.4	132	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	CADMIUM (TOTAL)	0	ND	0.3	1	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	CALCIUM (TOTAL)	0	165	4.6	500	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	CHROMIUM (TOTAL)	0	1.78	0.8	5	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	COBALT (TOTAL)	0	0.79	0.4	5	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	COPPER (TOTAL)	0	1020	0.6	5	UG/L		OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	IRON (TOTAL)	0	8230	12.5	100	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	MAGNESIUM (TOTAL)	0	36.1	4.8	500	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	MANGANESE (TOTAL)	0	29.3	0.3	10	UG/L		OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	NICKEL (TOTAL)	0	5.97	0.6	20	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	POTASSIUM (TOTAL)	0	563	20.4	750	UG/L	J	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	SILVER (TOTAL)	0	ND	0.7	10	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	SODIUM (TOTAL)	0	2270	276	500	UG/L		OT-E493606

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	VANADIUM (TOTAL)	0	ND	0.6	10	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C200.7	TOTAL	ZINC (TOTAL)	0	11000	4	50	UG/L		OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C206.2	TOTAL	ARSENIC (TOTAL)	0	ND	1	2	UG/L	UJ	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C239.2	TOTAL	LEAD (TOTAL)	0	80.3	13	20	UG/L		OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C245.1	TOTAL	MERCURY (TOTAL)	0	ND	0.1	0.2	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C270.2	TOTAL	SELENIUM (TOTAL)	0	ND	1.6	3	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	C279.2	TOTAL	THALLIUM (TOTAL)	0	ND	1.1	2	UG/L	U	OT-E493606
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.32	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.33	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.29	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.3	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2,4-TRICHLOROETHANE	0	ND	0.31	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	ND	0.43	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.28	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.3	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.31	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	2-HEXANONE	0	ND	1.49	5	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	ACETONE	0	-	-	-	UG/L	R	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	BENZENE	0	ND	0.28	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.3	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	BROMODICHLOROMETHANE	0	ND	0.25	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	BROMOFORM	0	ND	0.26	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	BROMOMETHANE	0	ND	0.28	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.29	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.27	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CHLOROETHANE	0	ND	0.27	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CHLOROFORM	0	ND	0.29	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.24	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.32	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	ETHYLBENZENE	0	ND	0.21	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	1.42	5	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	METHYLENE CHLORIDE	0	ND	0.28	2	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	STYRENE	0	ND	0.26	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.45	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.22	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TOLUENE	0	ND	0.29	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.24	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.44	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.35	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.27	1	UG/L	U	OT-E493605
FIELDQC	092198-EB1-005	09/21/1998	EB1	WQ	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.79	1	UG/L	U	OT-E493605
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E492401

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.32	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.33	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.29	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.3	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	ND	0.31	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	ND	0.43	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.28	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROETHANE	0	ND	0.3	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.31	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	2-HEXANONE	0	ND	1.49	5	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	ACETONE	0	-	-	-	UG/L	R	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	BENZENE	0	ND	0.28	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.3	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	BROMODICHLOROMETHANE	0	ND	0.25	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	BROMOFORM	0	ND	0.26	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	BROMOMETHANE	0	ND	0.28	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.29	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.27	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CHLOROETHANE	0	ND	0.27	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CHLOROFORM	0	ND	0.29	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.24	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.32	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	ETHYLBENZENE	0	ND	0.21	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	1.42	5	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	METHYLENE CHLORIDE	0	ND	0.28	2	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	STYRENE	0	ND	0.26	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.45	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.22	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TOLUENE	0	ND	0.29	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.24	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.44	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.35	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.27	1	UG/L	U	OT-E492401
FIELDQC	092198-TB5-005	09/21/1998	TB5	WQ	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.79	1	UG/L	U	OT-E492401
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	32	0.1	1	MG/L		OT-E472603
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	0.9	0.1	1	MG/L	J	OT-E472603
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.6	0.14	1	UG/L	J	OT-E472601
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	2.27	0.14	1	UG/L	J	OT-E472601
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E472601
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	4.39	0.42	1	UG/L		OT-E472601
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.8	13.7	MG/L	U	OT-E472701
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	237	0.28	1	UG/L		OT-E472602
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.13	1.24	3	UG/L		OT-E472602

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.7	0.012	0.1	UG/L		OT-E472802
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.887	0.34	1	MG/L	J	OT-E472702
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.15	0.34	1	MG/L		OT-E472703
ECSNP02	ECSWSNP02-21	09/22/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.11	0.34	1	MG/L		OT-E472704
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	34	0.1	1	MG/L		OT-E472606
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1	0.1	1	MG/L	J	OT-E472606
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.62	0.14	1	UG/L	J	OT-E472604
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	4.63	0.14	1	UG/L	J	OT-E472604
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E472604
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	4.75	0.42	1	UG/L		OT-E472604
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.8	10	MG/L	U	OT-E472705
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	238	0.28	1	UG/L		OT-E472605
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.2	1.24	3	UG/L		OT-E472605
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.794	0.34	1	MG/L	J	OT-E472706
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	3.5	0.34	1	MG/L		OT-E472707
ECSNP02	ECSWSNP02-21FD	09/22/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.07	0.34	1	MG/L		OT-E472708
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	49	0.1	1	MG/L		OT-E475403
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.7	0.1	1	MG/L		OT-E475403
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.55	2.05	UG/L	U	OT-E475401
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E475401
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E475401
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	ND	0.42	1	UG/L	U	OT-E475401
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.9	10	MG/L	U	OT-E475501
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	ND	254	338	UG/L	U	OT-E475402
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.34	1.24	3	UG/L	J	OT-E475402
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2	0.012	0.1	UG/L		OT-E475601
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.673	0.34	1	MG/L	J	OT-E475502
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	ND	2.05	2.77	MG/L	U	OT-E475503
ECTRP03	ECSWTRP03-21	09/22/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.67	0.34	1	MG/L		OT-E475504
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	45	0.1	1	MG/L		OT-E475803
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E475803
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.52	0.14	1	UG/L	J	OT-E475801
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.14	1	UG/L	U	OT-E475801
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E475801
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	0.5	0.42	1	UG/L	J	OT-E475801
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.38	10	MG/L	U	OT-E475901
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	208	0.28	1	UG/L		OT-E475802
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.42	1.24	3	UG/L	J	OT-E475802
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.6	0.012	0.1	UG/L		OT-E476001
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.668	0.34	1	MG/L	J	OT-E475902
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.16	0.34	1	MG/L		OT-E475903
ECTRP04	ECSWTRP04-21	09/22/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.73	0.34	1	MG/L		OT-E475904
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	A4500B	NONE	NITROGEN, NITRITE	0	0.41	0.14	1	UG/L	J	OT-E493801
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	ND	0.14	1	UG/L	U	OT-E493801
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E493801
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E493801
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	3.48	10	MG/L	U	OT-E493901
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	MCTNP	METHOD	NITROGEN	0	67.5	0.28	1	UG/L		OT-E493802
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E493802
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E493902

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	0.554	0.34	1	MG/L	J	OT-E493903
FIELDQC	092298-EB2-005	09/22/1998	EB2	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E493904
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	59	0.1	1	MG/L		OT-E485203
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.1	0.1	1	MG/L		OT-E485203
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E485201
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	2.82	0.14	1	UG/L		OT-E485201
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E485201
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.15	0.42	1	UG/L		OT-E485201
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	11.7	13.7	MG/L	U	OT-E485301
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	227	0.28	1	UG/L		OT-E485202
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	4.03	1.24	3	UG/L		OT-E485202
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.1	0.012	0.1	UG/L		OT-E485401
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.28	0.34	1	MG/L		OT-E485302
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	4.36	0.34	1	MG/L		OT-E485303
ECPTP01	ECSWPTP01A-21	09/24/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	3.23	0.34	1	MG/L		OT-E485304
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E494201
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	3.06	0.14	1	UG/L		OT-E494201
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E494201
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E494201
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	2.74	13.7	MG/L	U	OT-E494301
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	MCTNP	METHOD	NITROGEN	0	8.74	0.28	1	UG/L		OT-E494202
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	1.52	1.24	3	UG/L	J	OT-E494202
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	0.375	0.34	1	MG/L	J	OT-E494302
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	1.61	0.34	1	MG/L		OT-E494303
FIELDQC	092498-EB3-005	09/24/1998	EB3	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494304
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	60	0.1	1	MG/L		OT-E485603
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.3	0.1	1	MG/L		OT-E485603
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E485601
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	2.43	0.14	1	UG/L		OT-E485601
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E485601
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.25	0.42	1	UG/L		OT-E485601
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	9.71	13.7	MG/L	U	OT-E485701
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	257	0.28	1	UG/L		OT-E485602
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.97	1.24	3	UG/L	J	OT-E485602
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.2	0.012	0.1	UG/L		OT-E485801
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.25	0.34	1	MG/L		OT-E485702
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	4.54	0.34	1	MG/L		OT-E485703
ECPTP02	ECSWPTP02A-21	09/25/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.41	0.34	1	MG/L		OT-E485704
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	57	0.1	1	MG/L		OT-E486003
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.4	0.1	1	MG/L		OT-E486003
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E486001
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	2.11	30.2	UG/L	U	OT-E486001
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E486001
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	ND	0.42	1	UG/L	U	OT-E486001
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	9.92	13.7	MG/L	U	OT-E486101
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	247	0.28	1	UG/L		OT-E486002
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.82	1.24	3	UG/L	J	OT-E486002
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.6	0.012	0.1	UG/L		OT-E486201
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.21	0.34	1	MG/L		OT-E486102
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	ND	4.27	5.95	MG/L	U	OT-E486103

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECPTP03	ECSWPTP03-21	09/25/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.13	0.34	1	MG/L		OT-E486104
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	57	0.1	1	MG/L		OT-E486403
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.4	0.1	1	MG/L		OT-E486403
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E486401
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	1.93	0.14	1	UG/L		OT-E486401
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E486401
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	E310.1	NONE	NITROGEN, AMMONIA (AS N)	3	ND	0.42	1	UG/L	U	OT-E486401
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	MCTNP	METHOD	ALKALINITY, TOTAL (AS CaCO3)	3	ND	10.3	13.7	MG/L	U	OT-E486501
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	226	0.28	1	UG/L		OT-E486402
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.2	1.24	3	UG/L	J	OT-E486402
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2	0.012	0.1	UG/L		OT-E486701
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.19	0.34	1	MG/L		OT-E486502
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.66	0.34	1	MG/L	J	OT-E486503
ECPTP04	ECSWPTP04A-21	09/25/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.44	0.34	1	MG/L		OT-E486504
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	57	0.1	1	MG/L		OT-E486406
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.4	0.1	1	MG/L		OT-E486406
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E486404
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	2.41	0.14	1	UG/L		OT-E486404
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E486404
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	E310.1	NONE	NITROGEN, AMMONIA (AS N)	3	ND	0.42	1	UG/L	U	OT-E486404
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	MCTNP	METHOD	ALKALINITY, TOTAL (AS CaCO3)	3	ND	10.7	13.7	MG/L	U	OT-E486505
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	232	0.28	1	UG/L		OT-E486405
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.61	1.24	3	UG/L	J	OT-E486405
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2	0.012	0.1	UG/L		OT-E486702
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.2	0.34	1	MG/L		OT-E486506
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	4.7	0.34	1	MG/L	J	OT-E486507
ECPTP04	ECSWPTP04A-21FD	09/25/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.38	0.34	1	MG/L		OT-E486508
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	37	61	0.1	1	MG/L		OT-E486409
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	37	2	0.1	1	MG/L		OT-E486409
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	37	ND	0.14	1	UG/L	U	OT-E486407
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	37	1.65	0.14	1	UG/L		OT-E486407
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	37	ND	0.62	3	UG/L	U	OT-E486407
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	E310.1	NONE	NITROGEN, AMMONIA (AS N)	37	7.36	0.42	1	UG/L		OT-E486407
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	MCTNP	METHOD	ALKALINITY, TOTAL (AS CaCO3)	37	ND	10.8	13.7	MG/L	U	OT-E486601
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	MCTNP	METHOD	NITROGEN	37	228	0.28	1	UG/L		OT-E486408
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	37	2.69	1.24	3	UG/L	J	OT-E486408
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	37	3.2	0.012	0.1	UG/L		OT-E486703
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	37	4.01	0.34	1	MG/L		OT-E486602
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	37	3.55	0.34	1	MG/L		OT-E486603
ECPTP04	ECSWPTP04B-21	09/25/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	37	2.06	0.34	1	MG/L		OT-E486604
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	64	0.1	1	MG/L		OT-E486903
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E486903
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E486901
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	4.87	0.14	1	UG/L		OT-E486901
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E486901
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	E310.1	NONE	NITROGEN, AMMONIA (AS N)	3	0.94	0.42	1	UG/L	J	OT-E486901
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	MCTNP	METHOD	ALKALINITY, TOTAL (AS CaCO3)	3	ND	12	13.2	MG/L	U	OT-E487001
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	240	0.28	1	UG/L		OT-E486902
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.59	1.24	3	UG/L	J	OT-E486902
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.6	0.012	0.1	UG/L		OT-E487101

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.32	0.34	1	MG/L		OT-E487002
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	3.96	0.34	1	MG/L		OT-E487003
ECPTP05	ECSWPTP05A-21	09/25/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.35	0.34	1	MG/L		OT-E487004
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E494401
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	9.13	0.14	1	UG/L		OT-E494401
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E494401
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E494401
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	4.75	13.2	MG/L	U	OT-E494501
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	MCTNP	METHOD	NITROGEN	0	18.9	0.28	1	UG/L		OT-E494402
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E494402
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494502
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494503
FIELDQC	092598-EB1-005	09/25/1998	EB1	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494504
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E494601
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	6.04	0.14	1	UG/L		OT-E494601
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E494601
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E494601
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	3.38	13.2	MG/L	U	OT-E494701
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	MCTNP	METHOD	NITROGEN	0	38.8	0.28	1	UG/L		OT-E494602
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E494602
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494702
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	1.19	0.34	1	MG/L		OT-E494703
FIELDQC	092598-EB2-005	09/25/1998	EB2	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E494704
90MW0004	90MW0004-11	09/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	86.5	79	0.1	1	MG/L		OT-E495003
90MW0004	90MW0004-11	09/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	86.5	0.2	0.1	1	MG/L	J	OT-E495003
90MW0004	90MW0004-11	09/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	86.5	ND	0.14	1	UG/L	U	OT-E495001
90MW0004	90MW0004-11	09/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	86.5	232	0.14	1	UG/L		OT-E495001
90MW0004	90MW0004-11	09/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	86.5	19.2	0.62	3	UG/L		OT-E495001
90MW0004	90MW0004-11	09/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	86.5	ND	0.42	1	UG/L	U	OT-E495001
90MW0004	90MW0004-11	09/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	86.5	ND	8.97	14.2	MG/L	U	OT-E495101
90MW0004	90MW0004-11	09/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	86.5	308	0.28	1	UG/L		OT-E495002
90MW0004	90MW0004-11	09/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	86.5	16.8	1.24	3	UG/L		OT-E495002
90MW0004	90MW0004-11	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	86.5	7.7	0.34	1	MG/L		OT-E495102
90MW0004	90MW0004-11	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	86.5	ND	0.34	1	MG/L	U	OT-E495103
90MW0004	90MW0004-11	09/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	86.5	ND	0.34	1	MG/L	U	OT-E495104
90MW0020	90MW0020-11	09/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	148	51	0.1	1	MG/L		OT-E495006
90MW0020	90MW0020-11	09/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	148	0.8	0.1	1	MG/L	J	OT-E495006
90MW0020	90MW0020-11	09/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	148	ND	0.14	1	UG/L	U	OT-E495004
90MW0020	90MW0020-11	09/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	148	6.22	0.14	1	UG/L		OT-E495004
90MW0020	90MW0020-11	09/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	148	89.8	0.62	3	UG/L		OT-E495004
90MW0020	90MW0020-11	09/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	148	337	0.42	1	UG/L		OT-E495004
90MW0020	90MW0020-11	09/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	148	22.7	1	10	MG/L		OT-E495105
90MW0020	90MW0020-11	09/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	148	335	0.28	1	UG/L		OT-E495005
90MW0020	90MW0020-11	09/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	148	34.4	1.24	3	UG/L		OT-E495005
90MW0020	90MW0020-11	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	148	13.1	0.34	1	MG/L		OT-E495106
90MW0020	90MW0020-11	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	148	1.04	0.34	1	MG/L		OT-E495107
90MW0020	90MW0020-11	09/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	148	0.936	0.34	1	MG/L	J	OT-E495108
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	7	41	0.1	1	MG/L		OT-E495009
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	7	0.4	0.1	1	MG/L	J	OT-E495009
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	7	ND	0.14	1	UG/L	U	OT-E495007

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	7	80.6	0.14	1	UG/L		OT-E495007
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	7	3.23	0.62	3	UG/L		OT-E495007
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	7	1.3	0.42	1	UG/L		OT-E495007
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	7	ND	6.54	14.2	MG/L	U	OT-E495201
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	7	115	0.28	1	UG/L		OT-E495008
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	7	3.1	1.24	3	UG/L		OT-E495008
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	7	15.7	0.34	1	MG/L		OT-E495202
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	7	0.916	0.34	1	MG/L	J	OT-E495203
90PZ0205	90PZ0205-10	09/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	7	0.946	0.34	1	MG/L	J	OT-E495204
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	106.34	55	0.1	1	MG/L		OT-E495606
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	106.34	1.1	0.1	1	MG/L		OT-E495606
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	106.34	ND	0.14	1	UG/L	U	OT-E495604
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	106.34	49.1	0.14	1	UG/L		OT-E495604
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	106.34	21.7	0.62	3	UG/L		OT-E495604
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	106.34	2.31	0.42	1	UG/L		OT-E495604
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	106.34	18.2	1	10	MG/L		OT-E495705
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	106.34	93.5	0.28	1	UG/L		OT-E495605
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	106.34	22.5	1.24	3	UG/L		OT-E495605
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	106.34	4.3	0.34	1	MG/L		OT-E495706
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	106.34	0.768	0.34	1	MG/L	J	OT-E495707
90RIW0014	90RIW0014-18	09/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	106.34	ND	0.34	1	MG/L	U	OT-E495708
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	0	53	0.1	1	MG/L		OT-E495609
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	0	0.3	0.1	1	MG/L	J	OT-E495609
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E495607
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	51.1	0.14	1	UG/L		OT-E495607
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	22.5	0.62	3	UG/L		OT-E495607
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	2.38	0.42	1	UG/L		OT-E495607
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	17.7	1	10	MG/L		OT-E495801
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	0	143	0.28	1	UG/L		OT-E495608
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	23.2	1.24	3	UG/L		OT-E495608
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	4.5	0.34	1	MG/L		OT-E495802
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	1.04	0.34	1	MG/L		OT-E495803
90RIW0028	90RIW0028-05	09/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E495804
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E495901
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	4.38	0.14	1	UG/L		OT-E495901
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	1.4	0.62	3	UG/L	J	OT-E495901
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E495901
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	3.69	14.2	MG/L	U	OT-E496001
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	MCTNP	METHOD	NITROGEN	0	76.1	0.28	1	UG/L		OT-E495902
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E495902
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E496002
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	0.923	0.34	1	MG/L	J	OT-E496003
FIELDQC	092998-EB2-005	09/29/1998	EB2	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E496004
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	72.39	49	0.1	1	MG/L		OT-E497303
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	72.39	0.2	0.1	1	MG/L	J	OT-E497303
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	72.39	ND	0.14	1	UG/L	U	OT-E497301
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	72.39	50.8	0.14	1	UG/L		OT-E497301
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	72.39	22	0.62	3	UG/L		OT-E497301
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	72.39	3.5	0.42	1	UG/L		OT-E497301
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	72.39	16.1	1	10	MG/L		OT-E497401

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	MCTNP	METHOD	NITROGEN	72.39	159	0.28	1	UG/L		OT-E497302
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	72.39	27.3	1.24	3	UG/L		OT-E497302
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	72.39	4.98	0.34	1	MG/L		OT-E497402
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	72.39	ND	0.34	1	MG/L	U	OT-E497403
90RIW0006	90RIW0006-05	10/02/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	72.39	ND	0.34	1	MG/L	U	OT-E497404
90MW0004	90MW0004-12	10/27/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	86.7	19.2	1	10	MG/L		OT-E530801
90MW0004	90MW0004-12	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	86.7	7.98	0.34	1	MG/L		OT-E530802
90MW0004	90MW0004-12	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	86.7	ND	0.34	1	MG/L	U	OT-E530803
90MW0004	90MW0004-12	10/27/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	86.7	ND	0.34	1	MG/L	U	OT-E530804
90MW0020	90MW0020-13	10/27/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	147.68	23.5	1	10	MG/L		OT-E530805
90MW0020	90MW0020-13	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	147.68	12.5	0.34	1	MG/L		OT-E530806
90MW0020	90MW0020-13	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	147.68	0.86	0.34	1	MG/L	J	OT-E530807
90MW0020	90MW0020-13	10/27/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	147.68	0.826	0.34	1	MG/L	J	OT-E530808
90PZ0205	90PZ0205-11	10/27/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	7.78	ND	4.28	10	MG/L	U	OT-E530901
90PZ0205	90PZ0205-11	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	7.78	16.3	0.34	1	MG/L		OT-E530902
90PZ0205	90PZ0205-11	10/27/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	7.78	0.804	0.34	1	MG/L	J	OT-E530903
90PZ0205	90PZ0205-11	10/27/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	7.78	0.861	0.34	1	MG/L	J	OT-E530904
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	72.39	51	0.1	1	MG/L		OT-E531003
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	72.39	-	-	-	MG/L	R	OT-E531003
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	72.39	ND	0.14	1	UG/L	U	OT-E531001
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	72.39	68.5	0.14	1	UG/L		OT-E531001
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	72.39	22.2	0.62	3	UG/L		OT-E531001
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	72.39	3.22	0.42	1	UG/L		OT-E531001
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	72.39	14.4	1	10	MG/L		OT-E531101
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	72.39	141	0.28	1	UG/L		OT-E531002
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	72.39	69.3	1.24	3	UG/L		OT-E531002
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	72.39	4.5	0.34	1	MG/L		OT-E531102
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	72.39	0.569	0.34	1	MG/L	J	OT-E531103
90RIW0006	90RIW0006-06	10/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	72.39	ND	0.34	1	MG/L	U	OT-E531104
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	106.34	49	0.1	1	MG/L		OT-E531006
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	106.34	-	-	-	MG/L	R	OT-E531006
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	106.34	ND	0.14	1	UG/L	U	OT-E531004
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	106.34	69.5	0.14	1	UG/L		OT-E531004
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	106.34	22.4	0.62	3	UG/L		OT-E531004
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	106.34	3.42	0.42	1	UG/L		OT-E531004
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	106.34	13.6	1	10	MG/L		OT-E531105
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	106.34	74.2	0.28	1	UG/L		OT-E531005
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	106.34	22.8	1.24	3	UG/L		OT-E531005
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	106.34	4.45	0.34	1	MG/L		OT-E531106
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	106.34	ND	0.34	1	MG/L	U	OT-E531107
90RIW0014	90RIW0014-19	10/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	106.34	ND	0.34	1	MG/L	U	OT-E531108
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	0	-	-	-	MG/L	R	OT-E531009
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	0	49	0.1	1	MG/L		OT-E531009
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E531007
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	70.6	0.14	1	UG/L		OT-E531007
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	23	0.62	3	UG/L		OT-E531007
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	3	0.42	1	UG/L		OT-E531007
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	12	12.2	MG/L	U	OT-E531201
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	0	73.4	0.28	1	UG/L		OT-E531008
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	24.9	1.24	3	UG/L		OT-E531008

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	4.55	0.34	1	MG/L		OT-E531202
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E531203
90RIW0028	90RIW0028-06	10/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E531204
90MW0004	90MW0004-13	10/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	86.98	80	0.1	1	MG/L		OT-E541003
90MW0004	90MW0004-13	10/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	86.98	0.7	0.1	1	MG/L	J	OT-E541003
90MW0004	90MW0004-13	10/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	86.98	ND	0.14	1	UG/L	U	OT-E541001
90MW0004	90MW0004-13	10/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	86.98	191	0.14	1	UG/L		OT-E541001
90MW0004	90MW0004-13	10/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	86.98	16.2	0.62	3	UG/L		OT-E541001
90MW0004	90MW0004-13	10/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	86.98	ND	0.42	1	UG/L	U	OT-E541001
90MW0004	90MW0004-13	10/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	86.98	208	0.28	1	UG/L		OT-E541002
90MW0004	90MW0004-13	10/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	86.98	18.3	1.24	3	UG/L		OT-E541002
90MW0020	90MW0020-14	10/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	147.97	56	0.1	1	MG/L		OT-E541006
90MW0020	90MW0020-14	10/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	147.97	0.6	0.1	1	MG/L	J	OT-E541006
90MW0020	90MW0020-14	10/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	147.97	ND	0.14	1	UG/L	U	OT-E541004
90MW0020	90MW0020-14	10/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	147.97	2.7	0.14	1	UG/L		OT-E541004
90MW0020	90MW0020-14	10/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	147.97	73.5	0.62	3	UG/L		OT-E541004
90MW0020	90MW0020-14	10/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	147.97	152	0.42	1	UG/L		OT-E541004
90MW0020	90MW0020-14	10/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	147.97	166	0.28	1	UG/L		OT-E541005
90MW0020	90MW0020-14	10/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	147.97	52.8	1.24	3	UG/L		OT-E541005
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	7.58	42	0.1	1	MG/L		OT-E541009
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	7.58	0.8	0.1	1	MG/L	J	OT-E541009
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	7.58	0.26	0.14	1	UG/L	J	OT-E541007
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	7.58	69.7	0.14	1	UG/L		OT-E541007
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	7.58	2.9	0.62	3	UG/L	J	OT-E541007
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	7.58	ND	0.42	1	UG/L	U	OT-E541007
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	7.58	153	0.28	1	UG/L		OT-E541008
90PZ0205	90PZ0205-12	10/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	7.58	4.54	1.24	3	UG/L		OT-E541008
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	47.5	ND	9.44	13.4	UG/L	UJ	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	47.5	ND	0.0047	0.0099	UG/L	U	OT-E543002
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	47.5	ND	0.0035	0.0099	UG/L	U	OT-E543002
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	47.5	49	0.1	1	MG/L		OT-E541403
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	47.5	1	0.1	1	MG/L		OT-E541403
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	47.5	ND	0.14	1	UG/L	U	OT-E541401
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	47.5	65	0.14	1	UG/L		OT-E541401
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	47.5	24.9	0.62	3	UG/L		OT-E541401
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	47.5	ND	2.57	11.6	UG/L	U	OT-E541401
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	47.5	ND	7.61	10.1	MG/L	U	OT-E541501
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	MCTNP	METHOD	NITROGEN	47.5	69.8	0.28	1	UG/L		OT-E541402
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	47.5	33.2	1.24	3	UG/L		OT-E541402
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	47.5	3.45	0.34	1	MG/L		OT-E541502
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	47.5	1.52	0.34	1	MG/L		OT-E541503
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	47.5	ND	0.34	1	MG/L	U	OT-E541504
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	47.5	ND	19.8	224	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	47.5	ND	2.1	5	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	47.5	1.83	0.2	20	UG/L	J	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	47.5	ND	0.3	1	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	47.5	113	1.1	50	UG/L	J	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	47.5	ND	0.4	1	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	47.5	2260	14.7	500	UG/L		OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	47.5	ND	0.9	5	UG/L	UJ	OT-E543004

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	47.5	ND	1	5	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	47.5	ND	1.23	6.15	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	47.5	231	19.9	100	UG/L		OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	47.5	920	13.7	500	UG/L		OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	47.5	ND	2.18	10	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	47.5	22	1.1	20	UG/L		OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	47.5	553	33	750	UG/L	J	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	47.5	ND	1.2	10	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	47.5	6770	419	500	UG/L		OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	47.5	ND	0.7	10	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	47.5	ND	1.4	2	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	47.5	ND	0.9	2	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	47.5	ND	0.1	0.2	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	47.5	ND	1.6	3	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	47.5	ND	1.1	2	UG/L	U	OT-E543004
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	47.5	ND	0.23	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	47.5	ND	0.32	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	47.5	ND	0.33	1	UG/L	UJ	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	47.5	ND	0.29	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	47.5	ND	0.3	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	47.5	ND	0.31	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	47.5	ND	0.43	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	47.5	ND	0.28	1	UG/L	UJ	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	47.5	ND	0.24	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	47.5	ND	0.3	1	UG/L	UJ	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	47.5	ND	0.31	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	47.5	ND	0.25	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	47.5	ND	0.26	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	2-HEXANONE	47.5	ND	1.49	5	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	ACETONE	47.5	-	-	-	UG/L	R	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	BENZENE	47.5	ND	0.28	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	47.5	ND	0.3	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	47.5	ND	0.25	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOFORM	47.5	ND	0.26	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	47.5	ND	0.28	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	47.5	ND	0.29	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	47.5	ND	0.27	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	47.5	ND	0.25	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	47.5	ND	0.27	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROFORM	47.5	1.09	0.29	1	UG/L		OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	47.5	ND	0.28	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	47.5	ND	0.24	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	47.5	ND	0.32	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	47.5	ND	0.28	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	47.5	ND	0.21	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	47.5	-	-	-	UG/L	R	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	47.5	ND	1.42	5	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	47.5	ND	0.28	2	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	STYRENE	47.5	ND	0.26	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	47.5	ND	0.45	1	UG/L	U	OT-E543003

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	47.5	ND	0.22	1	UG/L	UJ	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TOLUENE	47.5	ND	0.29	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	47.5	ND	0.24	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	47.5	ND	0.44	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	47.5	ND	0.35	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	47.5	ND	0.27	1	UG/L	U	OT-E543003
ECMWSNP02S	ECMWSNP02S-15	11/02/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	47.5	ND	0.79	1	UG/L	U	OT-E543003
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	81.5	ND	0.0047	0.0099	UG/L	U	OT-E543104
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	81.5	ND	0.0035	0.0099	UG/L	U	OT-E543104
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	MCTNP	METHOD	NITROGEN	23	ND	0.28	1	UG/L	U	OT-E542805
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	23	10.3	1.24	3	UG/L		OT-E542805
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	81.5	37	0.1	1	MG/L		OT-E542806
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	81.5	1.6	0.1	1	MG/L		OT-E542806
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	81.5	ND	0.14	1	UG/L	U	OT-E542804
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	81.5	ND	14.5	17.2	UG/L	U	OT-E542804
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	81.5	7.2	0.62	3	UG/L		OT-E542804
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	81.5	ND	7.81	11.6	UG/L	U	OT-E542804
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	81.5	ND	9.14	10.1	MG/L	U	OT-E542905
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	81.5	2.16	0.34	1	MG/L		OT-E542906
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	81.5	0.496	0.34	1	MG/L	J	OT-E542907
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	81.5	ND	0.34	1	MG/L	U	OT-E542908
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	81.5	26	17.5	100	UG/L	J	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	81.5	ND	2.64	13	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	81.5	1.62	0.2	20	UG/L	J	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	81.5	ND	0.3	1	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	81.5	ND	63.3	106	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	81.5	ND	0.4	1	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	81.5	1480	14.7	500	UG/L		OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	81.5	2.93	0.9	5	UG/L	J	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	81.5	ND	1	5	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	81.5	ND	1.6	6.15	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	81.5	1040	19.9	100	UG/L		OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	81.5	727	13.7	500	UG/L		OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	81.5	9.1	0.4	10	UG/L	J	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	81.5	57	1.1	20	UG/L		OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	81.5	630	33	750	UG/L	J	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	81.5	ND	1.2	10	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	81.5	5570	419	500	UG/L		OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	81.5	ND	0.7	10	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	81.5	ND	5.39	13.4	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	81.5	ND	1.4	2	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	81.5	ND	0.9	2	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	81.5	ND	0.1	0.2	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	81.5	ND	1.6	3	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	81.5	ND	1.1	2	UG/L	U	OT-E543106
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	81.5	ND	0.23	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	81.5	ND	0.32	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	81.5	ND	0.33	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	81.5	ND	0.29	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	81.5	ND	0.3	1	UG/L	U	OT-E543105

Appendix I
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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROENZENE	81.5	ND	0.31	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	81.5	ND	0.43	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	81.5	ND	0.28	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROENZENE	81.5	ND	0.24	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	81.5	ND	0.3	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	81.5	ND	0.31	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROENZENE	81.5	ND	0.25	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROENZENE	81.5	ND	0.26	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	2-HEXANONE	81.5	ND	1.49	5	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	ACETONE	81.5	-	-	-	UG/L	R	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	BENZENE	81.5	ND	0.28	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	81.5	ND	0.3	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	81.5	ND	0.25	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOFORM	81.5	ND	0.26	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	81.5	ND	0.29	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	81.5	ND	0.27	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROENZENE	81.5	ND	0.25	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	81.5	ND	0.27	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROFORM	81.5	ND	0.29	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	81.5	ND	0.24	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	81.5	ND	0.32	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	81.5	ND	0.21	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	81.5	-	-	-	UG/L	R	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-METHYLENE CHLORIDE	81.5	ND	1.42	5	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	STYRENE	81.5	ND	0.26	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	81.5	ND	0.45	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE (PCE)	81.5	ND	0.22	1	UG/L	UJ	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TOLUENE	81.5	ND	0.29	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	81.5	ND	0.24	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	81.5	ND	0.44	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	81.5	ND	0.35	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	81.5	ND	0.27	1	UG/L	U	OT-E543105
ECMWSNP03D	ECMWSNP03D-15	11/02/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	81.5	ND	0.79	1	UG/L	U	OT-E543105
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	42.5	ND	0.0047	0.0099	UG/L	U	OT-E543101
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	42.5	ND	0.0035	0.0099	UG/L	U	OT-E543101
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	42.5	39	0.1	1	MG/L		OT-E542803
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	42.5	4.1	0.1	1	MG/L		OT-E542803
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	42.5	ND	0.14	1	UG/L	U	OT-E542801
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	42.5	28.2	0.14	1	UG/L		OT-E542801
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	42.5	9.35	0.62	3	UG/L		OT-E542801
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	42.5	ND	3.8	11.6	UG/L	U	OT-E542801
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	42.5	ND	1	10.1	MG/L	U	OT-E542901
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	MCTNP	METHOD	NITROGEN	42.5	6.45	0.28	1	UG/L		OT-E542802
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	42.5	11.3	1.24	3	UG/L		OT-E542802
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	42.5	3.04	0.34	1	MG/L		OT-E542902
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	42.5	1.34	0.34	1	MG/L		OT-E542903

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	42.5	ND	0.34	1	MG/L	U	OT-E542904
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	42.5	3570	17.5	100	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	42.5	ND	2.41	13	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	42.5	3.16	0.2	20	UG/L	J	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	42.5	ND	0.3	1	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	42.5	ND	40.2	106	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	42.5	ND	0.4	1	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	42.5	1750	14.7	500	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	42.5	4.88	0.9	5	UG/L	J	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	42.5	5.07	1	5	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	42.5	ND	2.52	6.15	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	42.5	6340	19.9	100	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	42.5	993	13.7	500	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	42.5	33.4	0.4	10	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	42.5	351	1.1	20	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	42.5	659	33	750	UG/L	J	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	42.5	ND	1.2	10	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	42.5	5400	419	500	UG/L		OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	42.5	ND	0.88	10	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	42.5	ND	10.6	13.4	UG/L	UJ	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	42.5	ND	1.4	2	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	42.5	ND	0.9	2	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	42.5	ND	0.1	0.2	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	42.5	ND	1.6	3	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	42.5	ND	1.1	2	UG/L	U	OT-E543103
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	42.5	ND	0.23	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	42.5	ND	0.32	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	42.5	ND	0.33	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	42.5	ND	0.29	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	42.5	ND	0.3	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROETHENE	42.5	ND	0.31	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	42.5	ND	0.43	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	42.5	ND	0.28	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	42.5	ND	0.24	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	42.5	ND	0.3	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	42.5	ND	0.31	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	42.5	ND	0.25	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	42.5	ND	0.26	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	2-HEXANONE	42.5	ND	1.49	5	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	ACETONE	42.5	-	-	-	UG/L	R	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	BENZENE	42.5	ND	0.28	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	42.5	ND	0.3	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	42.5	ND	0.25	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOFORM	42.5	ND	0.26	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	42.5	ND	0.28	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	42.5	ND	0.29	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	42.5	ND	0.27	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	42.5	ND	0.25	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	42.5	ND	0.27	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROFORM	42.5	1.8	0.29	1	UG/L		OT-E543102

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	42.5	ND	0.28	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	42.5	ND	0.24	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	42.5	ND	0.32	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	42.5	ND	0.28	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	ETHYLBENZENE	42.5	ND	0.21	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	42.5	-	-	-	UG/L	R	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	42.5	ND	1.42	5	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	42.5	ND	0.28	2	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	STYRENE	42.5	ND	0.26	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	42.5	ND	0.45	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	42.5	ND	0.22	1	UG/L	UJ	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TOLUENE	42.5	ND	0.29	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	42.5	ND	0.24	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	42.5	ND	0.44	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	42.5	ND	0.35	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	42.5	ND	0.27	1	UG/L	U	OT-E543102
ECMWSNP03S	ECMWSNP03S-15	11/02/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	42.5	ND	0.79	1	UG/L	U	OT-E543102
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.32	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.33	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.29	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.3	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	ND	0.31	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	ND	0.43	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.28	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2-DICHLOROETHANE	0	ND	0.3	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.31	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	2-HEXANONE	0	ND	1.49	5	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	ACETONE	0	-	-	-	UG/L	R	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	BENZENE	0	ND	0.28	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.3	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	BROMODICHLOROMETHANE	0	ND	0.25	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	BROMOFORM	0	ND	0.26	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	BROMOMETHANE	0	ND	0.28	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.29	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.27	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CHLOROETHANE	0	ND	0.27	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CHLOROFORM	0	ND	0.29	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.24	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.32	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	ETHYLBENZENE	0	ND	0.21	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	1.42	5	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	METHYLENE CHLORIDE	0	ND	0.28	2	UG/L	U	OT-E543001

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	STYRENE	0	ND	0.26	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.45	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.22	1	UG/L	UJ	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TOLUENE	0	ND	0.29	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.24	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.44	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.35	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.27	1	UG/L	U	OT-E543001
FIELDQC	110298-TB8-005	11/02/1998	TB8	WG	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.79	1	UG/L	U	OT-E543001
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E504	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	81.5	ND	0.0047	0.0099	UG/L	U	OT-E546206
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E504	METHOD	1,2-DIBROMOETHANE (EDB)	81.5	0.029	0.0035	0.0099	UG/L		OT-E546206
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	81.5	53	0.1	1	MG/L		OT-E546103
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	81.5	2.7	0.1	1	MG/L		OT-E546103
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	81.5	ND	0.14	1	UG/L	U	OT-E546101
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	81.5	195	0.14	1	UG/L		OT-E546101
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A4500H	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	81.5	53.8	0.62	3	UG/L		OT-E546101
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	81.5	ND	2.86	11.6	UG/L	U	OT-E546101
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	81.5	15.2	1	10	MG/L		OT-E546202
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	MCTNP	METHOD	NITROGEN	81.5	175	0.28	1	UG/L		OT-E546102
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	81.5	55.8	1.24	3	UG/L		OT-E546102
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	81.5	4.05	0.34	1	MG/L		OT-E546203
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	81.5	1.56	0.34	1	MG/L		OT-E546204
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	81.5	ND	0.34	1	MG/L	U	OT-E546205
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	ALUMINUM (TOTAL)	81.5	ND	17.5	100	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	ANTIMONY (TOTAL)	81.5	ND	2.1	5	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	BARIUM (TOTAL)	81.5	1.38	0.2	20	UG/L	J	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	BERYLLIUM (TOTAL)	81.5	ND	0.3	1	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	BORON (TOTAL)	81.5	ND	76.8	82.5	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	CADMIUM (TOTAL)	81.5	ND	0.4	1	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	CALCIUM (TOTAL)	81.5	3060	14.7	500	UG/L		OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	CHROMIUM (TOTAL)	81.5	ND	0.9	5	UG/L	UJ	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	COBALT (TOTAL)	81.5	ND	1	5	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	COPPER (TOTAL)	81.5	1.12	1.1	5	UG/L	J	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	IRON (TOTAL)	81.5	ND	19.9	100	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	MAGNESIUM (TOTAL)	81.5	1370	13.7	500	UG/L		OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	MANGANESE (TOTAL)	81.5	ND	0.4	10	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	NICKEL (TOTAL)	81.5	ND	1.1	20	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	POTASSIUM (TOTAL)	81.5	ND	617	750	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	SILVER (TOTAL)	81.5	ND	1.2	10	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	SODIUM (TOTAL)	81.5	6260	419	500	UG/L		OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	VANADIUM (TOTAL)	81.5	ND	0.7	10	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C200.7	TOTAL	ZINC (TOTAL)	81.5	ND	3.65	8.5	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C206.2	TOTAL	ARSENIC (TOTAL)	81.5	1.68	1.4	2	UG/L	J	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C239.2	TOTAL	LEAD (TOTAL)	81.5	ND	0.9	2	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C245.1	TOTAL	MERCURY (TOTAL)	81.5	ND	0.1	0.2	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C270.2	TOTAL	SELENIUM (TOTAL)	81.5	ND	1.6	3	UG/L	U	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	C279.2	TOTAL	THALLIUM (TOTAL)	81.5	ND	1.1	2	UG/L	UJ	OT-E546208
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,1,1-TRICHLOROETHANE	81.5	ND	0.23	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	81.5	ND	0.32	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,1,2-TRICHLOROETHANE	81.5	ND	0.33	1	UG/L	U	OT-E546207

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHANE	81.5	ND	0.29	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,1-DICHLOROETHENE	81.5	ND	0.3	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2,4-TRICHLOROETHANE	81.5	ND	0.31	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	81.5	ND	0.43	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	81.5	ND	0.28	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROBENZENE	81.5	ND	0.24	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROETHANE	81.5	ND	0.3	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,2-DICHLOROPROPANE	81.5	ND	0.31	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,3-DICHLOROBENZENE	81.5	ND	0.25	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	1,4-DICHLOROBENZENE	81.5	ND	0.26	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	2-HEXANONE	81.5	ND	1.49	5	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	ACETONE	81.5	-	-	-	UG/L	R	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	BENZENE	81.5	ND	0.28	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	BROMOCHLOROMETHANE	81.5	ND	0.3	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	BROMODICHLOROMETHANE	81.5	ND	0.25	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	BROMOFORM	81.5	ND	0.26	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	BROMOMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CARBON DISULFIDE	81.5	ND	0.29	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CARBON TETRACHLORIDE	81.5	ND	0.27	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CHLOROBENZENE	81.5	ND	0.25	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CHLOROETHANE	81.5	ND	0.27	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CHLOROFORM	81.5	1.07	0.29	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CHLOROMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	81.5	ND	0.24	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	81.5	ND	0.32	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	DIBROMOCHLOROMETHANE	81.5	ND	0.28	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	ETHYL BENZENE	81.5	ND	0.21	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	81.5	-	-	-	UG/L	R	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	81.5	ND	1.42	5	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	METHYLENE CHLORIDE	81.5	ND	0.28	2	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	STYRENE	81.5	ND	0.26	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TERT-BUTYL METHYL ETHER	81.5	ND	0.45	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	81.5	ND	0.22	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TOLUENE	81.5	ND	0.29	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	81.5	ND	0.24	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	81.5	ND	0.44	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	81.5	ND	0.35	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	VINYL CHLORIDE	81.5	ND	0.27	1	UG/L	U	OT-E546207
ECMWSNP02D	ECMWSNP02D-15	11/03/1998	N1	WG	CVOL	METHOD	XYLENES, TOTAL	81.5	ND	0.79	1	UG/L	U	OT-E546207
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,1,1-TRICHLOROETHANE	0	ND	0.23	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,1,2,2-TETRACHLOROETHANE	0	ND	0.32	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,1,2-TRICHLOROETHANE	0	ND	0.33	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,1-DICHLOROETHANE	0	ND	0.29	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,1-DICHLOROETHENE	0	ND	0.3	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2,4-TRICHLOROBENZENE	0	ND	0.31	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2-DIBROMO-3-CHLOROPROPANE	0	ND	0.43	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2-DIBROMOETHANE (EDB)	0	ND	0.28	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2-DICHLOROBENZENE	0	ND	0.24	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2-DICHLOROETHANE	0	ND	0.3	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,2-DICHLOROPROPANE	0	ND	0.31	1	UG/L	U	OT-E546201

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,3-DICHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	1,4-DICHLOROBENZENE	0	ND	0.26	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	2-HEXANONE	0	ND	1.49	5	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	ACETONE	0	ND	2.82	5	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	BENZENE	0	ND	0.28	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	BROMOCHLOROMETHANE	0	ND	0.3	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	BROMODICHLOROMETHANE	0	-	-	-	UG/L	R	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	BROMOFORM	0	ND	0.26	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	BROMOMETHANE	0	ND	0.28	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CARBON DISULFIDE	0	ND	0.29	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CARBON TETRACHLORIDE	0	ND	0.27	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CHLOROBENZENE	0	ND	0.25	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CHLOROETHANE	0	ND	0.27	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CHLOROFORM	0	ND	0.29	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CIS-1,2-DICHLOROETHYLENE	0	ND	0.24	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	CIS-1,3-DICHLOROPROPENE	0	ND	0.32	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	DIBROMOCHLOROMETHANE	0	ND	0.28	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	ETHYLBENZENE	0	ND	0.21	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	METHYL ETHYL KETONE (2-BUTANONE)	0	-	-	-	UG/L	R	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	METHYL ISOBUTYL KETONE (4-METHYL-2-	0	ND	1.42	5	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	METHYLENE CHLORIDE	0	ND	0.28	2	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	STYRENE	0	ND	0.26	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TERT-BUTYL METHYL ETHER	0	ND	0.45	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TETRACHLOROETHYLENE(PCE)	0	ND	0.22	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TOLUENE	0	ND	0.29	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TRANS-1,2-DICHLOROETHENE	0	ND	0.24	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TRANS-1,3-DICHLOROPROPENE	0	ND	0.44	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	TRICHLOROETHYLENE (TCE)	0	ND	0.35	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	VINYL CHLORIDE	0	ND	0.27	1	UG/L	U	OT-E546201
FIELDQC	110398-TB4-005	11/03/1998	TB4	WQ	CVOL	METHOD	XYLENES, TOTAL	0	ND	0.79	1	UG/L	U	OT-E546201
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	39	0.1	1	MG/L		OT-E498403
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.5	0.1	1	MG/L		OT-E498403
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E498401
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	1.76	0.14	1	UG/L		OT-E498401
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E498401
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	ND	0.42	1	UG/L	UJ	OT-E498401
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	4.57	10	MG/L	U	OT-E498501
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	62.2	0.28	1	UG/L	J	OT-E498402
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.86	1.24	3	UG/L		OT-E498402
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2	0.012	0.1	UG/L		OT-E498501
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.801	0.34	1	MG/L	J	OT-E498502
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.55	0.34	1	MG/L		OT-E498503
ECSNP02	ECSWSNP02-26	11/04/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.84	0.34	1	MG/L		OT-E498504
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	37	0.1	1	MG/L		OT-E498406
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.2	0.1	1	MG/L		OT-E498406
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E498404
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	2.29	0.14	1	UG/L		OT-E498404
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	1.28	0.62	3	UG/L	J	OT-E498404
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	6.52	0.42	1	UG/L	J	OT-E498404

Appendix I
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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	5.58	1	10	MG/L	J	OT-E498505
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	116	0.28	1	UG/L	J	OT-E498405
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.91	1.24	3	UG/L	J	OT-E498405
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.8	0.012	0.1	UG/L		OT-E498602
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.8	0.34	1	MG/L	J	OT-E498506
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.86	0.34	1	MG/L		OT-E498507
ECSNP02	ECSWSNP02-26FD	11/04/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.89	0.34	1	MG/L		OT-E498508
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	39	0.1	1	MG/L		OT-E500803
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	3	0.1	1	MG/L		OT-E500803
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.27	0.14	1	UG/L	J	OT-E500801
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	11.2	0.14	1	UG/L		OT-E500801
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E500801
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	6.48	0.42	1	UG/L	J	OT-E500801
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.05	10	MG/L	U	OT-E500901
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	649	0.28	1	UG/L	J	OT-E500802
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	30	1.24	3	UG/L	J	OT-E500802
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.5	0.012	0.1	UG/L		OT-E501001
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.742	0.34	1	MG/L	J	OT-E500902
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.63	0.34	1	MG/L		OT-E500903
ECTRP05	ECSWTRP05-26	11/04/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.69	0.34	1	MG/L		OT-E500904
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	39	0.1	1	MG/L		OT-E500806
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.4	0.1	1	MG/L		OT-E500806
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.25	0.14	1	UG/L	J	OT-E500804
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	10.8	0.14	1	UG/L		OT-E500804
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E500804
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	16.6	0.42	1	UG/L	J	OT-E500804
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	2.03	10	MG/L	U	OT-E500905
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	136	0.28	1	UG/L	J	OT-E500805
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.45	1.24	3	UG/L	J	OT-E500805
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.9	0.012	0.1	UG/L		OT-E501002
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.759	0.34	1	MG/L	J	OT-E500906
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.47	0.34	1	MG/L		OT-E500907
ECTRP05	ECSWTRP05-26FD	11/04/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.74	0.34	1	MG/L		OT-E500908
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	32	0.1	1	MG/L		OT-E498703
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.8	0.1	1	MG/L		OT-E498703
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E498701
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	0.26	97.5	UG/L	U	OT-E498701
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E498701
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	2.81	0.42	1	UG/L	J	OT-E498701
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	5.75	10	MG/L	U	OT-E498801
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	120	0.28	1	UG/L		OT-E498702
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	ND	3.74	11.4	UG/L	U	OT-E498702
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.6	0.012	0.1	UG/L		OT-E498901
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.843	0.34	1	MG/L	J	OT-E498802
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	1.83	0.34	1	MG/L		OT-E498803
ECSNP03	ECSWSNP03-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.96	0.34	1	MG/L		OT-E498804
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	34	0.1	1	MG/L		OT-E499003
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	0.8	0.1	1	MG/L	J	OT-E499003
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E499001
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	5.27	0.14	1	UG/L		OT-E499001

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E499001
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	4.03	0.42	1	UG/L		OT-E499001
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.14	10	MG/L	U	OT-E499101
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	172	0.28	1	UG/L		OT-E499002
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	1.61	1.24	3	UG/L	J	OT-E499002
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.4	0.012	0.1	UG/L		OT-E499201
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.835	0.34	1	MG/L	J	OT-E499102
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	3.08	0.34	1	MG/L		OT-E499103
ECSNP06	ECSWSNP06-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.01	0.34	1	MG/L		OT-E499104
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	32	0.1	1	MG/L		OT-E499303
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E499303
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	ND	0.14	1	UG/L	U	OT-E499301
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	4.64	0.14	1	UG/L		OT-E499301
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E499301
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	6.23	0.42	1	UG/L		OT-E499301
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.66	10	MG/L	U	OT-E499401
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	270	0.28	1	UG/L		OT-E499302
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	4.5	1.24	3	UG/L		OT-E499302
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	2.8	0.012	0.1	UG/L		OT-E499501
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.892	0.34	1	MG/L	J	OT-E499402
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.04	0.34	1	MG/L		OT-E499403
ECSNP07	ECSWSNP07-27	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2	0.34	1	MG/L		OT-E499404
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	35	0.1	1	MG/L		OT-E499603
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	0.8	0.1	1	MG/L	J	OT-E499603
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.21	0.14	1	UG/L	J	OT-E499601
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	3.55	0.14	1	UG/L		OT-E499601
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E499601
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	1.48	0.42	1	UG/L		OT-E499601
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	2.61	10	MG/L	U	OT-E499701
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	150	0.28	1	UG/L		OT-E499602
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	6.42	1.24	3	UG/L		OT-E499602
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.8	0.012	0.1	UG/L		OT-E499801
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.987	0.34	1	MG/L	J	OT-E499702
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.81	0.34	1	MG/L		OT-E499703
ECSNP08	ECSWSNP08-27	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.96	0.34	1	MG/L		OT-E499704
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	49	0.1	1	MG/L		OT-E499903
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.2	0.1	1	MG/L		OT-E499903
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.28	0.14	1	UG/L	J	OT-E499901
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	ND	11.7	90.5	UG/L	U	OT-E499901
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E499901
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	ND	10.6	29.6	UG/L	U	OT-E499901
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.66	10	MG/L	U	OT-E500001
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	130	0.28	1	UG/L		OT-E499902
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	ND	3.3	9	UG/L	U	OT-E499902
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.5	0.012	0.1	UG/L		OT-E500101
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.715	0.34	1	MG/L	J	OT-E500002
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.95	0.34	1	MG/L		OT-E500003
ECTRP01	ECSWTRP01-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.73	0.34	1	MG/L		OT-E500004
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	44	0.1	1	MG/L		OT-E500203
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.2	0.1	1	MG/L		OT-E500203

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.31	0.14	1	UG/L	J	OT-E500201
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	10	0.14	1	UG/L		OT-E500201
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E500201
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	9.11	0.42	1	UG/L		OT-E500201
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	4.7	10	MG/L	U	OT-E500301
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	135	0.28	1	UG/L		OT-E500202
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.64	1.24	3	UG/L		OT-E500202
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.4	0.012	0.1	UG/L		OT-E500401
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.69	0.34	1	MG/L	J	OT-E500302
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.66	0.34	1	MG/L		OT-E500303
ECTRP03	ECSWTRP03-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.75	0.34	1	MG/L		OT-E500304
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	37	0.1	1	MG/L		OT-E500503
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.7	0.1	1	MG/L		OT-E500503
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.28	0.14	1	UG/L	J	OT-E500501
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	13.2	0.14	1	UG/L		OT-E500501
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E500501
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	5.78	0.42	1	UG/L		OT-E500501
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	5.74	10	MG/L	U	OT-E500601
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	518	0.28	1	UG/L		OT-E500502
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	24.1	1.24	3	UG/L		OT-E500502
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.6	0.012	0.1	UG/L		OT-E500701
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.74	0.34	1	MG/L	J	OT-E500602
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.42	0.34	1	MG/L		OT-E500603
ECTRP04	ECSWTRP04-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.67	0.34	1	MG/L		OT-E500604
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	35	0.1	1	MG/L		OT-E501103
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	2.9	0.1	1	MG/L		OT-E501103
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.3	0.14	1	UG/L	J	OT-E501101
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	11.7	0.14	1	UG/L		OT-E501101
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E501101
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	12.4	0.42	1	UG/L		OT-E501101
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	ND	3.66	10	MG/L	U	OT-E501201
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	162	0.28	1	UG/L		OT-E501102
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.66	1.24	3	UG/L		OT-E501102
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	1.7	0.012	0.1	UG/L		OT-E501301
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	0.718	0.34	1	MG/L	J	OT-E501202
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.32	0.34	1	MG/L		OT-E501203
ECTRP06	ECSWTRP06-26	11/05/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	1.65	0.34	1	MG/L		OT-E501204
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E548601
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	18.1	0.14	1	UG/L		OT-E548601
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E548601
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	5.92	0.42	1	UG/L		OT-E548601
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	1.57	10	MG/L	U	OT-E548701
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	MCTNP	METHOD	NITROGEN	0	ND	0.28	1	UG/L	U	OT-E548602
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	1.8	1.24	3	UG/L	J	OT-E548602
FIELDQC	110598-EB3-005	11/05/1998	EB3	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E548702
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E548801
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	19.5	0.14	1	UG/L		OT-E548801
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E548801
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	0.5	0.42	1	UG/L	J	OT-E548801
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	3.66	10	MG/L	U	OT-E548901

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	MCTNP	METHOD	NITROGEN	0	17.9	0.28	1	UG/L		OT-E548802
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	2.28	1.24	3	UG/L	J	OT-E548802
FIELDQC	110598-EB4-005	11/05/1998	EB4	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E548902
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	73	0.1	1	MG/L		OT-E506803
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E506803
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.23	0.14	1	UG/L	J	OT-E506801
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	15.2	0.14	1	UG/L		OT-E506801
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E506801
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	22	0.42	1	UG/L		OT-E506801
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	11.5	1	10	MG/L		OT-E506901
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	200	0.28	1	UG/L		OT-E506802
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	ND	1.24	3	UG/L	U	OT-E506802
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	4.3	0.012	0.1	UG/L		OT-E507001
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.92	0.34	1	MG/L		OT-E506902
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.39	0.34	1	MG/L		OT-E506903
ECPTP02	ECSWPT02-26	11/09/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.24	0.34	1	MG/L		OT-E506904
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	68	0.1	1	MG/L		OT-E507703
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.7	0.1	1	MG/L		OT-E507703
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.17	0.14	1	UG/L	J	OT-E507701
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	6.51	0.14	1	UG/L		OT-E507701
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E507701
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	22.8	0.42	1	UG/L		OT-E507701
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	13.6	1	10	MG/L		OT-E507801
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	192	0.28	1	UG/L		OT-E507702
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	ND	1.24	3	UG/L	U	OT-E507702
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	5.4	0.012	0.1	UG/L		OT-E507901
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.82	0.34	1	MG/L		OT-E507802
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.09	0.34	1	MG/L		OT-E507803
ECPTP05	ECSWPT05-26	11/09/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.42	0.34	1	MG/L		OT-E507804
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	70	0.1	1	MG/L		OT-E507706
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.7	0.1	1	MG/L		OT-E507706
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.23	0.14	1	UG/L	J	OT-E507704
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	6.39	0.14	1	UG/L		OT-E507704
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E507704
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	23.4	0.42	1	UG/L		OT-E507704
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	9.93	1	10	MG/L	J	OT-E507805
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	MCTNP	METHOD	NITROGEN	3	209	0.28	1	UG/L		OT-E507705
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.32	1.24	3	UG/L	J	OT-E507705
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	A10200H	METHOD	CHLOROPHYLL A	3	5.2	0.012	0.1	UG/L		OT-E507902
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.78	0.34	1	MG/L		OT-E507806
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.36	0.34	1	MG/L		OT-E507807
ECPTP05	ECSWPT05-26FD	11/09/1998	FD1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.37	0.34	1	MG/L		OT-E507808
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	89	0.1	1	MG/L		OT-E506503
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.6	0.1	1	MG/L		OT-E506503
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.36	0.14	1	UG/L	J	OT-E506501
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	8.14	0.14	1	UG/L		OT-E506501
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E506501
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	30.6	0.42	1	UG/L		OT-E506501
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	11.5	1	10	MG/L		OT-E506601
ECPTP01	ECSWPT01-26	11/10/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	234	0.28	1	UG/L		OT-E506502

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECPTP01	ECSWPTP01-26	11/10/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.48	1.24	3	UG/L	J	OT-E506502
ECPTP01	ECSWPTP01-26	11/10/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	5	0.012	0.1	UG/L		OT-E506701
ECPTP01	ECSWPTP01-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.91	0.34	1	MG/L		OT-E506602
ECPTP01	ECSWPTP01-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	3.59	0.34	1	MG/L		OT-E506603
ECPTP01	ECSWPTP01-26	11/10/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.29	0.34	1	MG/L		OT-E506604
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	92	0.1	1	MG/L		OT-E507103
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.1	0.1	1	MG/L		OT-E507103
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.35	0.14	1	UG/L	J	OT-E507101
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	11	0.14	1	UG/L		OT-E507101
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E507101
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	36.2	0.42	1	UG/L		OT-E507101
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	10.4	1	10	MG/L		OT-E507201
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	211	0.28	1	UG/L		OT-E507102
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	3.29	1.24	3	UG/L		OT-E507102
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	3.2	0.012	0.1	UG/L		OT-E507301
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.98	0.34	1	MG/L		OT-E507202
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	3.61	0.34	1	MG/L		OT-E507203
ECPTP03	ECSWPTPT03-26	11/10/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.24	0.34	1	MG/L		OT-E507204
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A2540C	NONE	TOTAL DISSOLVED SOLIDS	3	78	0.1	1	MG/L		OT-E507403
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	3	1.9	0.1	1	MG/L		OT-E507403
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A4500B	NONE	NITROGEN, NITRITE	3	0.3	0.14	1	UG/L	J	OT-E507401
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A4500F	NONE	NITROGEN, NITRATE (AS N)	3	7.76	0.14	1	UG/L		OT-E507401
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	3	ND	0.62	3	UG/L	U	OT-E507401
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A4500H	NONE	NITROGEN, AMMONIA (AS N)	3	37.2	0.42	1	UG/L		OT-E507401
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	3	12.5	1	10	MG/L		OT-E507501
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	MCTNP	METHOD	NITROGEN	3	160	0.28	1	UG/L		OT-E507402
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	3	2.38	1.24	3	UG/L	J	OT-E507402
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	A10200H	METHOD	CHLOROPHYLL A	3	4.7	0.012	0.1	UG/L		OT-E507601
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED INORGANIC CARBON	3	2.9	0.34	1	MG/L		OT-E507502
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	E415.1	NONE	DISSOLVED ORGANIC CARBON	3	2.42	0.34	1	MG/L		OT-E507503
ECPTP04	ECSWPTP04-26	11/10/1998	N1	WS	E415.1	NONE	TOTAL ORGANIC CARBON	3	2.34	0.34	1	MG/L		OT-E507504
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E549201
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	17.8	0.14	1	UG/L		OT-E549201
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E549201
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	3.53	0.42	1	UG/L		OT-E549201
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	7.32	10	MG/L	U	OT-E549301
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	MCTNP	METHOD	NITROGEN	0	89.1	0.28	1	UG/L		OT-E549202
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E549202
FIELDQC	111098-EB3-005	11/10/1998	EB3	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	0.514	0.34	1	MG/L	J	OT-E549302
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E550801
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	0.43	0.14	1	UG/L	J	OT-E550801
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E550801
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E550801
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	2.61	10.4	MG/L	U	OT-E550901
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	MCTNP	METHOD	NITROGEN	0	ND	0.28	1	UG/L	U	OT-E550802
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	1.95	1.24	3	UG/L	J	OT-E550802
FIELDQC	111098-EB5-005	11/10/1998	EB5	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E550902
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	87	62	0.1	1	MG/L		OT-E552903
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	87	0.5	0.1	1	MG/L	J	OT-E552903
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	87	0.21	0.14	1	UG/L	J	OT-E552901

Appendix I
FS-12 Sample Results September to December 1998

LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	87	127	0.14	1	UG/L		OT-E552901
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	87	19.9	0.62	3	UG/L		OT-E552901
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	87	ND	0.42	1	UG/L	U	OT-E552901
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	87	6.1	5	10	MG/L	J	OT-E553101
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	MCTNP	METHOD	NITROGEN	87	156	0.28	1	UG/L		OT-E552902
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	87	18	1.24	3	UG/L		OT-E552902
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	87	7.8	0.056	1	MG/L		OT-E553102
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	87	0.65	0.2	1	MG/L	J	OT-E553103
ECMWTRP01D	ECMWTRP01D-04	11/13/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	87	0.49	0.2	1	MG/L	J	OT-E553104
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	36	61	0.1	1	MG/L		OT-E552803
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	36	ND	0.1	1	MG/L	U	OT-E552803
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	36	0.19	0.14	1	UG/L	J	OT-E552801
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	36	2.05	0.14	1	UG/L		OT-E552801
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	36	3.63	0.62	3	UG/L		OT-E552801
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	36	0.79	0.42	1	UG/L	J	OT-E552801
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	36	6.1	5	10	MG/L	J	OT-E553001
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	MCTNP	METHOD	NITROGEN	36	26.7	0.28	1	UG/L		OT-E552802
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	36	7.59	1.24	3	UG/L		OT-E552802
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	36	6.7	0.056	1	MG/L		OT-E553002
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	36	0.66	0.2	1	MG/L	J	OT-E553003
ECMWTRP01S	ECMWTRP01S-04	11/13/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	36	0.57	0.2	1	MG/L	J	OT-E553004
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	36	63	0.1	1	MG/L		OT-E552806
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	36	0.3	0.1	1	MG/L	J	OT-E552806
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A4500B	NONE	NITROGEN, NITRITE	36	0.21	0.14	1	UG/L	J	OT-E552804
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	36	3.55	0.14	1	UG/L		OT-E552804
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	36	3.64	0.62	3	UG/L		OT-E552804
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	36	1.14	0.42	1	UG/L		OT-E552804
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	36	ND	5	10	MG/L	U	OT-E553005
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	MCTNP	METHOD	NITROGEN	36	24.9	0.28	1	UG/L		OT-E552805
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	36	8.24	1.24	3	UG/L		OT-E552805
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	36	6	0.056	1	MG/L		OT-E553006
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	36	1	0.2	1	MG/L		OT-E553007
ECMWTRP01S	ECMWTRP01S-04FD	11/13/1998	FD1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	36	0.54	0.2	1	MG/L	J	OT-E553008
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	A4500B	NONE	NITROGEN, NITRITE	0	0.18	0.14	1	UG/L	J	OT-E553201
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	0.52	0.14	1	UG/L	J	OT-E553201
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	ND	0.62	3	UG/L	U	OT-E553201
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	8.56	0.42	1	UG/L		OT-E553201
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	5	10	MG/L	U	OT-E553301
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	MCTNP	METHOD	NITROGEN	0	26	0.28	1	UG/L		OT-E553202
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	4.12	1.24	3	UG/L		OT-E553202
FIELDQC	111398-EB2-005	11/13/1998	EB2	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.2	1	MG/L	U	OT-E553302
90MW0015	90MW0015-08	11/16/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	98.88	45	0.1	1	MG/L		OT-E555803
90MW0015	90MW0015-08	11/16/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	98.88	1	0.1	1	MG/L		OT-E555803
90MW0015	90MW0015-08	11/16/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	98.88	ND	0.14	1	UG/L	U	OT-E555801
90MW0015	90MW0015-08	11/16/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	98.88	33.4	0.14	1	UG/L		OT-E555801
90MW0015	90MW0015-08	11/16/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	98.88	28.5	0.62	3	UG/L		OT-E555801
90MW0015	90MW0015-08	11/16/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	98.88	3.79	0.42	1	UG/L		OT-E555801
90MW0015	90MW0015-08	11/16/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	98.88	8.1	5	10	MG/L	J	OT-E555901
90MW0015	90MW0015-08	11/16/1998	N1	WG	MCTNP	METHOD	NITROGEN	98.88	59	0.28	1	UG/L		OT-E555802
90MW0015	90MW0015-08	11/16/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	98.88	25.9	1.24	3	UG/L		OT-E555802

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MW0015	90MW0015-08	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	98.88	5.8	0.056	1	MG/L		OT-E555902
90MW0015	90MW0015-08	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	98.88	0.27	0.2	1	MG/L	J	OT-E555903
90MW0015	90MW0015-08	11/16/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	98.88	0.49	0.2	1	MG/L	J	OT-E555904
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	126.18	51	0.1	1	MG/L		OT-E555603
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	126.18	0.6	0.1	1	MG/L	J	OT-E555603
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	126.18	ND	0.14	1	UG/L	U	OT-E555601
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	126.18	64.5	0.14	1	UG/L		OT-E555601
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	126.18	70.8	0.62	3	UG/L		OT-E555601
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	126.18	1.8	0.42	1	UG/L		OT-E555601
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	126.18	ND	14.1	30.5	MG/L	U	OT-E555701
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	MCTNP	METHOD	NITROGEN	126.18	ND	95.9	251	UG/L	U	OT-E555602
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	126.18	69.1	1.24	3	UG/L		OT-E555602
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	126.18	5	0.056	1	MG/L		OT-E555702
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	126.18	0.29	0.2	1	MG/L	J	OT-E555703
90MW0085A	90MW0085A-16	11/16/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	126.18	ND	0.2	1	MG/L	U	OT-E555704
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	91.08	44	0.1	1	MG/L		OT-E555606
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	91.08	ND	0.1	1	MG/L	U	OT-E555606
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	91.08	ND	0.14	1	UG/L	U	OT-E555604
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	91.08	55.5	0.14	1	UG/L		OT-E555604
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	91.08	8.36	0.62	3	UG/L		OT-E555604
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	91.08	4.36	0.42	1	UG/L		OT-E555604
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	91.08	14.1	5	10	MG/L		OT-E555705
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	MCTNP	METHOD	NITROGEN	91.08	308	0.28	1	UG/L	J	OT-E555605
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	91.08	21.6	1.24	3	UG/L	J	OT-E555605
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	91.08	5.2	0.056	1	MG/L		OT-E555706
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	91.08	0.27	0.2	1	MG/L	J	OT-E555707
90MW0085B	90MW0085B-17	11/16/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	91.08	0.24	0.2	1	MG/L	J	OT-E555708
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E556401
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	1.82	0.14	1	UG/L		OT-E556401
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	0.83	0.62	3	UG/L	J	OT-E556401
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E556401
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	6.1	5	10	MG/L	J	OT-E556501
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	6.1	5	10	MG/L	J	OT-E556501
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	MCTNP	METHOD	NITROGEN	0	50.2	0.28	1	UG/L		OT-E556402
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E556402
FIELDQC	111698-EB1-005	11/16/1998	EB1	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.2	1	MG/L	U	OT-E556502
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.14	1	UG/L	U	OT-E557001
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	1.02	0.14	1	UG/L		OT-E557001
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	0.76	0.62	3	UG/L	J	OT-E557001
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	2.08	0.42	1	UG/L		OT-E557001
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	1.03	12.8	MG/L	U	OT-E557101
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	MCTNP	METHOD	NITROGEN	0	57.5	0.28	1	UG/L	J	OT-E557002
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	1.98	1.24	3	UG/L	J	OT-E557002
FIELDQC	111698-EB4-005	11/16/1998	EB4	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.34	1	MG/L	U	OT-E557102
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	72.39	-	-	-	MG/L	R	OT-E558203
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	72.39	0.1	0.1	1	MG/L	J	OT-E558203
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	72.39	ND	0.14	1	UG/L	U	OT-E558201
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	72.39	70.8	0.14	1	UG/L		OT-E558201
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	72.39	23.6	0.62	3	UG/L		OT-E558201
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	72.39	1.87	0.42	1	UG/L		OT-E558201

Appendix I
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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	72.39	12.1	5	10	MG/L		OT-E558301
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	MCTNP	METHOD	NITROGEN	72.39	153	0.28	1	UG/L		OT-E558202
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	72.39	16.9	1.24	3	UG/L		OT-E558202
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	72.39	4.5	0.056	1	MG/L		OT-E558302
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	72.39	0.37	0.2	1	MG/L	J	OT-E558303
90RIW0006	90RIW0006-07	11/17/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	72.39	0.22	0.2	1	MG/L	J	OT-E558304
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	106.34	-	-	-	MG/L	R	OT-E558206
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	106.34	0.2	0.1	1	MG/L	J	OT-E558206
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	106.34	ND	0.14	1	UG/L	U	OT-E558204
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	106.34	72	0.14	1	UG/L		OT-E558204
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	106.34	16.4	0.62	3	UG/L		OT-E558204
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	106.34	5.28	0.42	1	UG/L		OT-E558204
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	106.34	12.1	5	10	MG/L		OT-E558305
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	MCTNP	METHOD	NITROGEN	106.34	69.1	0.28	1	UG/L		OT-E558205
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	106.34	21.6	1.24	3	UG/L		OT-E558205
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	106.34	4.5	0.056	1	MG/L		OT-E558306
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	106.34	0.35	0.2	1	MG/L	J	OT-E558307
90RIW0014	90RIW0014-20	11/17/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	106.34	0.67	0.2	1	MG/L	J	OT-E558308
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	0	-	-	-	MG/L	R	OT-E558403
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	0	ND	0.1	1	MG/L	U	OT-E558403
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	0	0.16	0.14	1	UG/L	J	OT-E558401
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	71.8	0.14	1	UG/L		OT-E558401
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	24	0.62	3	UG/L		OT-E558401
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	1.98	0.42	1	UG/L		OT-E558401
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	10.1	5	10	MG/L		OT-E558501
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	MCTNP	METHOD	NITROGEN	0	115	0.28	1	UG/L		OT-E558402
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	21.3	1.24	3	UG/L		OT-E558402
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	4.5	0.056	1	MG/L		OT-E558502
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	0.23	0.2	1	MG/L	J	OT-E558503
90RIW0028	90RIW0028-07	11/17/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	0	0.26	0.2	1	MG/L	J	OT-E558504
90MW0004	90MW0004-14	11/18/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	86.96	85	0.1	1	MG/L		OT-E558703
90MW0004	90MW0004-14	11/18/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	86.96	2.5	0.1	1	MG/L		OT-E558703
90MW0004	90MW0004-14	11/18/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	86.96	ND	1.41	7.5	UG/L	U	OT-E558701
90MW0004	90MW0004-14	11/18/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	86.96	159	0.14	1	UG/L		OT-E558701
90MW0004	90MW0004-14	11/18/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	86.96	19.2	0.62	3	UG/L		OT-E558701
90MW0004	90MW0004-14	11/18/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	86.96	ND	0.42	1	UG/L	U	OT-E558701
90MW0004	90MW0004-14	11/18/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	86.96	10.1	5	10	MG/L		OT-E558801
90MW0004	90MW0004-14	11/18/1998	N1	WG	MCTNP	METHOD	NITROGEN	86.96	212	0.28	1	UG/L		OT-E558702
90MW0004	90MW0004-14	11/18/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	86.96	15.1	1.24	3	UG/L		OT-E558702
90MW0004	90MW0004-14	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	86.96	6.7	0.056	1	MG/L		OT-E558802
90MW0004	90MW0004-14	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	86.96	0.25	0.2	1	MG/L	J	OT-E558803
90MW0004	90MW0004-14	11/18/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	86.96	0.29	0.2	1	MG/L	J	OT-E558804
90MW0020	90MW0020-15	11/18/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	147.98	ND	53	65	MG/L	U	OT-E558709
90MW0020	90MW0020-15	11/18/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	147.98	1.1	0.1	1	MG/L		OT-E558709
90MW0020	90MW0020-15	11/18/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	147.98	1.68	0.14	1	UG/L		OT-E558707
90MW0020	90MW0020-15	11/18/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	147.98	2.16	0.14	1	UG/L		OT-E558707
90MW0020	90MW0020-15	11/18/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	147.98	65.2	0.62	3	UG/L		OT-E558707
90MW0020	90MW0020-15	11/18/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	147.98	134	0.42	1	UG/L		OT-E558707
90MW0020	90MW0020-15	11/18/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	147.98	22.2	5	10	MG/L		OT-E558901
90MW0020	90MW0020-15	11/18/1998	N1	WG	MCTNP	METHOD	NITROGEN	147.98	187	0.28	1	UG/L		OT-E558708

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90MW0020	90MW0020-15	11/18/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	147.98	43.4	1.24	3	UG/L		OT-E558708
90MW0020	90MW0020-15	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	147.98	11.2	0.056	1	MG/L		OT-E558902
90MW0020	90MW0020-15	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	147.98	0.77	0.2	1	MG/L	J	OT-E558903
90MW0020	90MW0020-15	11/18/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	147.98	0.78	0.2	1	MG/L	J	OT-E558904
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A2540C	NONE	TOTAL DISSOLVED SOLIDS	7.63	81	0.1	1	MG/L		OT-E558706
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A2540D	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	7.63	1.9	0.1	1	MG/L		OT-E558706
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	7.63	0.94	0.14	1	UG/L	J	OT-E558704
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	7.63	24.3	0.14	1	UG/L		OT-E558704
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	7.63	3.75	0.62	3	UG/L		OT-E558704
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	7.63	ND	0.42	1	UG/L	U	OT-E558704
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	7.63	ND	5	10	MG/L	U	OT-E558805
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	MCTNP	METHOD	NITROGEN	7.63	145	0.28	1	UG/L		OT-E558705
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	7.63	6.47	1.24	3	UG/L		OT-E558705
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	7.63	10.3	0.056	1	MG/L		OT-E558806
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	7.63	3.1	0.2	1	MG/L		OT-E558807
90PZ0205	90PZ0205-13	11/18/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	7.63	3.6	0.2	1	MG/L		OT-E558808
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	A4500B	NONE	NITROGEN, NITRITE	0	1.5	0.14	1	UG/L		OT-E559101
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	0.47	0.14	1	UG/L	J	OT-E559101
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	A4500F	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	1.39	0.62	3	UG/L	J	OT-E559101
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.42	1	UG/L	U	OT-E559101
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	5	10	MG/L	U	OT-E559201
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	MCTNP	METHOD	NITROGEN	0	39.2	0.28	1	UG/L		OT-E559102
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	ND	1.24	3	UG/L	U	OT-E559102
FIELDQC	111898-EB1-005	11/18/1998	EB1	WQ	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	0.2	1	MG/L	U	OT-E559202
90MW0004	90MW0004-15	12/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	86.9	0.4	0.2	3	ug/L	J	OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	86.9	16.3	0.6	2	ug/L		OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	86.9	114	4.5	15	ug/L		OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	86.9	ND	0.9	10	ug/L	U	OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	86.9	ND	2.3	4	MG/L	U	OT-E571801
90MW0004	90MW0004-15	12/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	86.9	ND	11.2	21.4	MG/L	U	OT-E571801
90MW0004	90MW0004-15	12/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	86.9	500	8.7	30	ug/L		OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	86.9	17.4	1.5	3	ug/L		OT-E571701
90MW0004	90MW0004-15	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	86.9	-	-	-	MG/L	R	OT-E571802
90MW0004	90MW0004-15	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	86.9	1.32	0.34	1	MG/L		OT-E571803
90MW0004	90MW0004-15	12/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	86.9	ND	1.26	2.77	MG/L	U	OT-E571804
90MW0020	90MW0020-17	12/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	147.83	1.9	0.2	3	ug/L	J	OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	147.83	53.3	0.6	2	ug/L		OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	147.83	1.7	0.9	3	ug/L	J	OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	147.83	21.6	0.9	10	ug/L		OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	147.83	ND	2.3	4	MG/L	U	OT-E571805
90MW0020	90MW0020-17	12/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	147.83	22.5	1	10	MG/L		OT-E571805
90MW0020	90MW0020-17	12/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	147.83	343	8.7	30	ug/L		OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	147.83	56.8	1.5	3	ug/L		OT-E571702
90MW0020	90MW0020-17	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	147.83	-	-	-	MG/L	R	OT-E571806
90MW0020	90MW0020-17	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	147.83	2.03	0.34	1	MG/L		OT-E571807
90MW0020	90MW0020-17	12/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	147.83	ND	1.88	2.77	MG/L	U	OT-E571808
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	7.58	0.6	0.2	3	ug/L	J	OT-E571703
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	7.58	ND	0.6	2	ug/L	U	OT-E571703
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	7.58	21	0.9	3	ug/L		OT-E571703
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	7.58	ND	0.9	10	ug/L	U	OT-E571703

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LOCATION	SAMPLE NUMBER	SAMPLE DATE	TYPE	MATRIX	METHOD	Prep	ANALYTE	Depth	RESULT	DL	RL	UNITS	QUAL	CONTROL_NO
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	7.58	-	-	-	MG/L	R	OT-E571901
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	7.58	-	-	-	MG/L	R	OT-E571901
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	MCTNP	METHOD	NITROGEN	7.58	193	8.7	30	ug/L		OT-E571703
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	7.58	4.4	1.5	3	ug/L		OT-E571703
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	7.58	-	-	-	MG/L	R	OT-E571902
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	7.58	2	0.34	1	MG/L		OT-E571903
90PZ0205	90PZ0205-14	12/28/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	7.58	ND	1.72	2.77	MG/L	U	OT-E571904
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	72.39	ND	0.2	3	ug/L	U	OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	72.39	18.4	0.6	2	ug/L		OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	72.39	31.3	0.9	3	ug/L		OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	72.39	ND	0.9	10	ug/L	UJ	OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	72.39	4	2.3	4	MG/L		OT-E572101
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	72.39	ND	15.5	21.4	MG/L	U	OT-E572101
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	72.39	40.6	8.7	30	ug/L		OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	72.39	19.9	1.5	3	ug/L		OT-E572303
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	72.39	-	-	-	MG/L	R	OT-E572102
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	72.39	ND	0.34	1	MG/L	U	OT-E572103
90RIW0006	90RIW0006-08	12/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	72.39	ND	1.24	2.41	MG/L	U	OT-E572104
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	106.34	ND	0.2	3	ug/L	U	OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	106.34	17.8	0.6	2	ug/L		OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	106.34	30.1	0.9	3	ug/L		OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	106.34	ND	0.9	10	ug/L	UJ	OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	106.34	4	2.3	4	MG/L		OT-E572105
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	106.34	ND	11.8	21.4	MG/L	U	OT-E572105
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	106.34	36.2	8.7	30	ug/L		OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	106.34	19.2	1.5	3	ug/L		OT-E572304
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	106.34	-	-	-	MG/L	R	OT-E572106
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	106.34	1.33	0.34	1	MG/L		OT-E572107
90RIW0014	90RIW0014-21	12/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	106.34	ND	1.3	2.41	MG/L	U	OT-E572108
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	A4500B	NONE	NITROGEN, NITRITE	0	ND	0.2	3	ug/L	U	OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	A4500E	NONE	PHOSPHORUS, TOTAL PO4 (AS P)	0	18.1	0.6	2	ug/L		OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	A4500F	NONE	NITROGEN, NITRATE (AS N)	0	31	0.9	3	ug/L		OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	A4500H	NONE	NITROGEN, AMMONIA (AS N)	0	ND	0.9	10	ug/L	UJ	OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	E160.2	NONE	SUSPENDED SOLIDS (RESIDUE, NON-FILT	0	ND	2.3	4	MG/L	U	OT-E572201
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	E310.1	NONE	ALKALINITY, TOTAL (AS CaCO3)	0	ND	15.5	21.4	MG/L	U	OT-E572201
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	MCTNP	METHOD	NITROGEN	0	38.5	8.7	30	ug/L		OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	MCTNP	METHOD	PHOSPHORUS, TOTAL (AS P)	0	18.8	1.5	3	ug/L		OT-E572305
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED INORGANIC CARBON	0	-	-	-	MG/L	R	OT-E572202
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	E415.1	NONE	DISSOLVED ORGANIC CARBON	0	1.51	0.34	1	MG/L		OT-E572203
90RIW0028	90RIW0028-08	12/29/1998	N1	WG	E415.1	NONE	TOTAL ORGANIC CARBON	0	ND	1.26	2.41	MG/L	U	OT-E572204

APPENDIX J
PROJECT NOTES



JACOBS
ENGINEERING

Engineers and Constructors

Jacobs Engineering Group Inc.
Building 318, 318 East Inner Road
Otis ANG Base, Massachusetts 02542
508-564-5746 Fax 508-564-6425

May 19, 1999

Mr. Jim F. Snyder
Remediation Program Manager
322 East Inner Road, Box 41
Otis ANG Base, Massachusetts 02542

RE: Contract F41624-97-D-8006
MMR Plume Response Program
Delivery Order 0015 DCN AFC-J23-35S18901-P1.2-0001
Project Note for Modification of the 1999 Ecological Monitoring Strategy

Dear Mr. Snyder:

As directed by the Air Force Center for Environmental Excellence, Jacobs Engineering Group Inc. is hereby submitting a hard copy of our Project Note (AFC-J23-35S18901-P1.2-0001) documenting changes to the MMR 1999 ecological monitoring strategy. Please note that the Environmental Protection Agency and the Department of Environmental Protection concurred with these changes.

If you have any questions regarding this letter, please feel free to contact me or Lisa Allinger at (508) 564-5746 extension 312.

Sincerely,

Eric W. Banks, P. E.
Program Manager

Enclosures: Document (1)

c: Bob Lim, EPA (1)
Cathy Kiley, DEP (1)
Bud Hoda, AFCEE (1)
Admin. Record, AFCEE (1)
Kris Barrett, JEG (1)
~~Lisa Allinger, JEG (1)~~
File - Document Control, JEG (1)



PROJECT NOTE

AFC-J23-35S18901-P1.2-0001

Confirmation of	X	Conference	Telecon	Date Held: 02/11, 16/99
				Date Issued: 03/23/99
				Place: IRP
				Recorded By: L. Allinger

Participants:

Bud Hoda - AFCEE	Drew Tingley - JEG	Cathy Kiley - DEP
Mike Minor - AFCEE	Mike Morris - JEG	Bob Lim - EPA
Kris Barrett - JEG	Ron Citterman - JEG	
Lisa Allinger - JEG	Don Schall - ENSR	

Meeting Reason: 1999 Ecological Sampling Program

SUMMARY

Meetings were held February 11 and 16, 1999 with AFCEE, Jacobs, EPA, and DEP representatives. Additional telephone conferences were conducted March 8, 9, 18, and 23, 1999 to clarify and resolve issues. During these meetings, the 1999 ecological sampling program presented to the TRET November 4, 1999 was reviewed plume by plume. The 1999 sampling strategy includes modifications to the sampling frequency, sample locations, analytes measured, and vegetation surveys performed for Phase I (pre-operational) and Phase II (operational) activities, and Phase II amphibian surveys and reporting frequency (Table 1). Discussions of these meetings are summarized below.

FS-28 Plume

The proposed 1999 ecological sampling strategy supercedes the eco portion of Draft Final FS-28 Monitoring Plan (1998). DEP concurs with the proposed sampling strategy as it relates to the current activities at FS-28. However, DEP said that this strategy is only applicable to FS-28 until April 1999 when the shallow drive point system is turned on as part of the bog separation project. DEP's outstanding issues associated with changes in the FS-28 monitoring and AFCEE's responses to these issues are as follows:

- Regulator comments on the Draft Final FS-28 Monitoring Plan (1998). AFCEE will address comments and submit their outstanding responses regarding the monitoring plan.
- Monitoring plan to incorporate monitoring for the bog separation project. AFCEE will amend or update the current monitoring plan to address both the EW-1 and the drive point extraction systems.
- Discontinue monitoring of Vernal Pool 390. Hydraulic investigations conducted at the FS-28 study area have confirmed that Vernal Pool 390 is not hydraulically connected to the Coonamessett or Broad rivers.
- Quarterly EDB monitoring of 60MW1304 and 69MW1310 will be reduced to annual monitoring. The Ecological Studies Program will monitor for EDB in groundwater from these wells. Physicochemical monitoring will continue monthly to determine if there are potential impacts from the treatment system (treated groundwater) on the surface water-related ecosystems. PME sampling will be done quarterly for monitoring EDB at 69MW1304. Although monitoring well 60MW1310 will not be sampled for EDB under the FS-28 eco program, eight additional wells surrounding EW-1 will be sampled quarterly under the PME program for EDB.

- Per conversation with DEP (Cathy Kiley) March 18, 1999, Jacobs clarified that sample location 69SW0019 previously sampled in 1997 will be sampled instead of 69SW0049 because a sample location was needed downstream of sample location 69SW0010. Additionally, 69SW0019 will be used to monitor potential ecological impacts associated with the shallow drive point extraction wells located in Wetland 1285.

FS-12 Plume

DEP concurs with the proposed ecological sampling for the FS-12 plume, but requested discussion of the following issues for which AFCEE has responded as follows:

- Reduction in monitoring of chemical parameters in groundwater from quarterly to annually at 90MP0060. The Ecological Studies Program will monitor groundwater for chemical parameters annually; however, AFCEE will also monitor well 90MP0060D quarterly for chemical parameters under the PME program.
- Eliminate chemical sampling at 90MW0015 and 90MW0085A,B: AFCEE will monitor 90MW0085A,B quarterly for chemical parameters under the PME program. No MCLs exceedences at 90MW0015 for plume contaminants have been detected under the Ecological Studies Program. Although there have been low level detections of benzene and xylenes in 1997 and 1998 (and toluene once in 1996), these concentrations do not pose an ecological or health risk. However, 90MW0015 will be sampled quarterly for chemical parameters under the PME program.
- There were no detections of plume contaminants from microwell ECMWSNP03 during 1998. However, because microwell ECMWSNP02D had an EDB detection of 0.029 µg/L that exceeded maximum concentration levels for drinking water (0.020 µg/L) in November 1998, DEP prefers to monitor this well semiannually. No volatile organic compounds (VOCs) were detected in surface water of Snake Pond in 1998, and specifically location ECSNP07 near microwell ECMWSNP02. AFCEE will sample microwell ECMWSNP02S and ECMWSNP02D for chemical parameters in May 1999 as part of the annual schedule for ecological monitoring of chemical parameters in groundwater at FS-12. The data results will be evaluated by the Plant Performance Assessment Team (PPAT) and discussed with the regulators at the weekly technical update meeting with recommendations regarding future sampling frequencies forwarded to the RPMs.
- Reduction of surface water sampling frequency from six times per year to quarterly (seasonally). Potential ecological impacts to surface water ecosystems associated with the operation of the FS-12 groundwater treatment system would be changes in the temperature, dissolved oxygen, pH, and water levels of the treated groundwater discharging to Snake Pond. This is supported by data collected under the ecological and operation and maintenance programs. The elimination of one spring (June) and summer (September) sampling event will not hinder AFCEE's ability to monitor the ecosystems for potential impacts related to the operation of the treatment system.

LF-1 Plume

DEP concurs with the proposed ecological sampling for LF-1 plume, but requested discussion of the following issues for which AFCEE has responded as follows:

- Semi-annual sampling for chemical parameters at five locations in Squeteague Harbor and three locations in Red Brook Harbor in lieu of quarterly sampling. AFCEE will sample these seeps semiannually. The seeps are not necessarily indicative of deep groundwater where the plume is located. Although there is a relatively constant flux of groundwater into the harbors, this flux is not necessarily represented at the seeps. Flux of contaminants in the plume may actually pass beneath the seeps. Also, the seeps are indicative of shallow vadose flow. The recharge of this zone is primarily meteoric and dependent on precipitation and shallow runoff. Therefore, any contaminants found in the seeps may not necessarily be part of the LF-1 groundwater plume. There is a possibility that some contaminants could upwell into the seeps, this is considered a minor component based on total recharge. To date, no plume contaminants have been found in seep samples collected by the Ecological Studies Program. Since sampling results have remained constant, semiannual sampling is sufficient for detecting any potential changes in parameters measured in the toe of the plume.
- LF-1 saltwater/freshwater interface. Monitoring wells ECMWRBH01A,B,C at Red Brook Harbor and ECMWSQH01A,B at Squeteague Harbor will be eliminated. The Red Brook Harbor and Squeteague Harbor saltwater/freshwater interface investigation will be performed as mentioned in the LF-1 Long-Term Monitoring Plan. Monitoring wells 27MW0065 at Red Brook Harbor and 27MW 0064A,B at Squeteague Harbor will continue to be monitored.
- Because a baseline investigation is being done, groundwater will be sampled for chemical parameters semiannually.

Ashumet Valley Plume

DEP concurs with the proposed ecological sampling for Ashumet Valley plume, but requested discussion of the following issues for which AFCEE has responded as follows:

- Biota sampling at Flax Pond and not at reference pond. The Ecological Studies Program is not currently collecting biota samples from the reference ponds (Triangle and Peters) associated with Flax Pond. This should not impair the interpretation of the biota data collected from Flax Pond during 1999 because two years (1997 and 1998) of biota data are available from the reference ponds for comparison. Large yearly fluctuations are not expected in the biota species of these ponds.
- Because a baseline investigation is being done, sampling groundwater for chemical parameters will be done semiannually.
- Locations ECMWP1401A, B will be eliminated. These wells were never installed because locations 69IG0009 and 69IG0010 were already drilled and are of similar depths. Locations 69IG0009 and 69IG0010 will continued to be monitored for chemical and physicochemical parameters.
- An addition of nine wells was included in an earlier version of Table 1. Summary of Proposed Changes to the Ecological Studies Program. However, since USFW49207 at Bournes Pond is being used to monitor shallow groundwater at the toe of the plume and USFW497035, -052, -89, -108 will also be used to monitor the toe of the plume, locations ECMWBPE01 A, B, C were not needed and thus eliminated. Vernal Pool 8 and Little Jenkins Pond may be potentially impacted by the shallow reinjection of groundwater, thus these sites were added. ECPZVP801 and ECPZVP802 were added to measure water levels at Vernal Pool 8. At Little Jenkins Pond, ECPZLJP01 was added to monitor chemical and physicochemical parameters and ECPZVJP02 was added to measure physicochemical

parameters.

Ashumet and Johns Ponds Area

DEP concurs with the proposed ecological sampling for Ashumet and Johns Ponds area, but requested discussion of the following issues for which AFCEE has responded as follows:

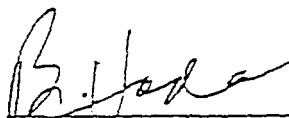
- Determine the overall potential ecological impacts to Ashumet Pond from the plumes and operation of treatment systems by integrating information compiled from both ecological investigations and the Ashumet Valley sewage treatment plant plume study. AFCEE will integrate and present the potential affects of phosphorus on the health of the pond through data collected by the Ecological Studies Program and Ashumet Pond investigations.
- Elimination of surface water sampling at East and West ponds. East and West ponds will be monitored for water levels only. Surface water sampling of these ecosystems will be eliminated due to the physical and bio-geochemical processes that are occurring. These ponds are small (1-2 acres) and shallow (mean depth is 3 feet) man-made water bodies. The ponds are eutrophic; it is difficult to identify treatment plant-related ecological impacts other than changes in the hydrologic regime. Additionally, this rationale is also applicable to Vernal Pool 1.
- Sampling of Abandoned Bog 3. Abandoned Bog 3 will be sampled during 1999 in support of the Ashumet Valley sewage treatment plant plume investigation related to the phosphorus loading to Ashumet Pond. Abandoned Bog 3 is an abandoned cranberry bog. The sediments of this bog may be a substantial source of phosphorus loading to Ashumet Pond. Therefore, the surface water and sediment in the bog will be characterized for selective physicochemical parameters.
- Biota sampling in Ashumet and Johns ponds. Dr. Warren Webb (TRET) and AFCEE discussed Dr. Webb's concerns associated with the discontinuation of phytoplankton and zooplankton sampling in Ashumet Pond. However, Dr. Webb has agreed (per conversation January 21, 1999) that the proposed 1999 ecological sampling strategy that uses chlorophyll *a* as an indicator of primary production will not hinder the identification of changes in the primary productivity or trophic state of the ponds. Dr. Webb did request that the ratio of zooplankton to phytoplankton concentrations be evaluated to investigate grazing rates. It is hypothesized that even though Ashumet Pond has fairly high nutrient concentrations, grazing rates may be controlling the phytoplankton populations. Phytoplankton and zooplankton samples collected in 1998 will be evaluated in the November 1999 ecological assessment report on the SD-5N treatment system. Results will also be compared to data presented in the Final Ecological Studies 1997 Annual report for FS-12, SD-5, and CS-10 Groundwater Plumes (AFCEE 1998).
- The Ashumet and Johns Ponds Area Ecological Sampling Plan (ESP) is a living document. AFCEE agrees with DEP and EPA that as new information becomes available, it will be considered in the overall sampling strategy outlined in the ESP.
- Monitoring of groundwater downgradient of the CS-10 reinjection wells. An access issue has prevented AFCEE from installing monitoring wells downgradient of the CS-10 Sandwich Road reinjection wells (RIW 4, 5, and 6). The property owners have denied AFCEE access for installing wells. If access is granted, AFCEE will revisit the need to monitor groundwater downgradient of the reinjection wells for ecological purposes.
- Groundwater sample locations were eliminated at ECMWWAP01S.D; ECMWWAP02S.D

ECMWWAP04; MW-36; ECPZMWP01A,B,C; ECPZMWAP02A,B,C; ECSMWAP01A,B,C; and ECSMWAP01A,B,C because Wakeby Pond is no longer being used as a reference pond. Water levels only will be measured at ECPZVP102 at Vernal Pool 1; ECPZVP101 will be measured for physicochemical and water levels. ECPZWSB01 at Washburn Pond was damaged and replaced with a new piezometer, ECPZWSB04, for measuring physicochemical parameters and water levels at Washburn Pond; ECPZWSB02 and ECPZWSB03 have been eliminated. ECPZJNP01B, C, and D at Johns Pond are no longer installed; they were only used during the 1997 seepage meter. ECPZVP301 and ECPZVP302 have been eliminated because Vernal Pool 3 is no longer being used as a reference area. Groundwater will be sampled from ECMWEAP02 in addition to the existing ECMWEAP01 at East Pond for physicochemical parameters. These two wells are in the plume and are downgradient of the SD-5N reinjection wells. ECPZEAP02 and ECPZEAP03, also downgradient of the plume, have been eliminated since ECMWEAP01 and ECMWEAP02 are being sampled. Because Vernal Pool 7 was added as a reference area, ECPZVP701 and ECPZVP702 were installed to measure physicochemical parameters and water levels. Water levels will also be measured at Vernal Pool 2 from ECPZVP201 and ECPZVP202

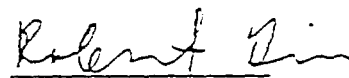
General:

- Eliminate analyses for the parameters of total suspended solids, total dissolved solids, and dissolved inorganic carbon from groundwater and surface water, and dissolved organic carbon from surface water.
- Vegetation surveys for baseline characterization of the LF-1 and Ashburn Valley plume area will be qualitative.

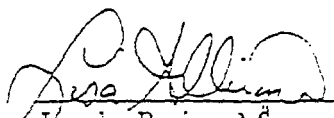
Concurrence of the 1999 ecological sampling strategy is represented by the signatures below.



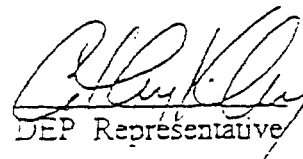
AFCEE Project Officer



EPA Representative



Jacobs Project Manager



DEP Representative

ACTIONS

Item - N/A

Jim Snyder	AFCEE/MMR	Eric Banks	JEG	Cathy Kiley	DEP
Jon Davis	AFCEE/MMR	Kris Barrett	JEG		
Bud Hoda	AFCEE/MMR	Linda Davis	JEG		
Dario Beniquez	HSW/PKVBC	Robert Lim	EPA		

Table 1. Summary of Proposed Changes to the Ecological Studies Program

General Changes		
Surface Water		
Currently (1998)	Proposed (1999)	Difference
Physicochemical parameters consist of the nutrients (NO ₃ , NO ₂ , PO ₄ , NH ₃), total nitrogen, total phosphorus, alkalinity, total organic carbon, dissolved organic carbon, dissolved inorganic carbon, total suspended solids, total dissolved solids, and chlorophyll a.	Physicochemical parameters consist of the nutrients (NO ₃ , NO ₂ , PO ₄ , NH ₃), total nitrogen, total phosphorus, alkalinity, total organic carbon, and chlorophyll a.	Eliminate dissolved inorganic carbon, dissolved organic carbon, total suspended solids, and total dissolved solids from the physicochemical parameter list.
Groundwater		
Currently (1998)	Proposed (1999)	Difference
Physicochemical parameters consist of the nutrients (NO ₃ , NO ₂ , PO ₄ , NH ₃), total nitrogen, total phosphorus, alkalinity, total organic carbon, dissolved organic carbon, dissolved inorganic carbon, total suspended solids, and total dissolved solids.	Physicochemical parameters consist of the nutrients (NO ₃ , NO ₂ , PO ₄ , NH ₃), total nitrogen, total phosphorus, alkalinity, total organic carbon, and dissolved organic carbon.	Eliminate dissolved inorganic carbon, total suspended solids, and total dissolved solids from the physicochemical parameter list.
Conduct annual synoptic water level measurements.	No annual synoptic water level measurements.	Eliminate annual synoptic water level measurements.
Reports		
Currently (1998)	Proposed (1999)	Difference
Phase I reports quarterly.	Phase I reports quarterly.	No change.
Phase II reports quarterly.	Phase II reports semiannually	Reduce from quarterly to semiannual.

Specific Changes		
FS-12 Phase II Surface Water Monitoring		
Currently (1998)	Proposed (1999)	Difference
Six sampling events per year.	Quarterly sampling events.	Eliminate one spring and one summer sampling event.
Five sampling locations per pond.	Three sampling locations per pond.	Eliminate locations ECSNP02 and -08 at Snake Pond, ECTRP04 and -06 at Triangle Pond. Peters Pond is addressed in the Ashumet and Johns Pond Area ecological sampling plan (ESP) (eliminate ECPTP02 and -03 at Peters Pond).
Zooplankton and phytoplankton four times annually and benthic macroinvertebrates two times annually at Snake Pond, Peters Pond, and Triangle Pond.	Chlorophyll a measurements quarterly.	Eliminate zooplankton, phytoplankton, and benthic macroinvertebrates.
Shoreline and aquatic vegetation, threatened and endangered species, and species of special concern surveys for Snake Pond, Peters Pond, and Triangle Pond.	No shoreline and aquatic vegetation, threatened and endangered species, and species of special concern surveys.	Eliminate shoreline and aquatic vegetation, threatened and endangered species, and species of special concern surveys for Snake Pond and Peters Pond. The vegetation survey, threatened and endangered species, and species of special concern for Triangle Pond will be specified in the Ashumet Valley Phase I ESP.

Table 1. Summary of Proposed Changes to the Ecological Studies Program

Specific Changes (cont.)		
FS-12 Phase III Groundwater Monitoring		
Currently (1998)	Proposed (1999)	Difference
Quarterly sampling for chemical parameters.	Annual sampling for chemical parameters. Eliminate chemical sampling at 90MW0015 and 90MW005A,B.	Reduce the frequency of sampling for chemical parameters from quarterly to annually. Eliminate chemical sampling at 90MW0015 and 90MW005A,B.
Quarterly sampling for physicochemical parameters.	Semi-annual sampling for physicochemical parameters.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.
Bi-weekly staff gauge measurements.	Monthly staff gauge measurements.	Reduce the frequency of staff gauge measurements from bi-weekly to monthly.
Annual synoptic water level survey.	Semi-annual synoptic water level survey.	Reduce annual water level survey to semi-annual at fewer monitoring wells/piezometers (18 locations).
FS-12 Phase II Biological Monitoring		
Currently (1998)	Proposed (1999)	Difference
Conduct surveys for vegetation, threatened and endangered species, and species of special concern.	No vegetation, threatened and endangered species, or species of special concern surveys.	Eliminate vegetation, threatened and endangered species, and species of special concern surveys.
Ashumet and Johns Pond Area Surface Water Monitoring		
Currently (1998)	Proposed (1999)	Difference
Five sampling locations per pond in the reference ponds.	Three sampling locations per pond in the reference ponds.	Eliminate locations ECMAP02 and -04 in Mashpee Pond, ECTRP04 and -06 in Triangle Pond, and ECPTP02 and -03 in Peters Pond (Peters Pond is addressed in the Ashumet and Johns Ponds Area instead of the FS-12 Phase II ESI).
Three surface water sampling locations, and shoreline and aquatic vegetation surveys at East Pond and West Pond.	No surface water sampling or shoreline and aquatic vegetation surveys at East Pond and West Pond.	Eliminate surface water sampling at East Pond; eliminate surface water sampling and surveys at West Pond.
Zooplankton and phytoplankton sampling four times annually, benthic macroinvertebrate sampling two times annually, and chlorophyll <i>a</i> six times annually in Ashumet Pond and Johns Pond.	Chlorophyll <i>a</i> measurements six times annually.	Eliminate zooplankton, phytoplankton, and benthic macroinvertebrate sampling. Chlorophyll <i>a</i> measurements annually at Ashumet, Johns, and Peters ponds.
Not currently sampling Abandoned Bog 3.	Sample three surface water locations six times in 1999 for physicochemical and field parameters at Abandoned Bog 3. Sediment sampling once at each location. Stream gauges measured monthly.	Institute sampling at Abandoned Bog 3.
Sampling of Vernal Pool 1 six times annually for physicochemical parameters.	No physicochemical parameters at Vernal Pool 1.	Eliminate sampling for physicochemical parameters at Vernal Pool 1.
Bi-weekly staff gauge measurements.	Monthly staff gauge measurements.	Reduce the frequency of staff gauge measurements from bi-weekly to monthly.
Ashumet and Johns Pond Area Groundwater Monitoring		
Currently (1998)	Proposed (1999)	Difference
	Eliminate sampling locations ECMWWAP01S,D -02S,D and -04; MW-36; ECPZMWAP01A,B,C and -02A,B,C; ECMWWAP01A,B,C and -02A,B,C; ECPZVP102 (except water levels); ECPZWSB01, -02, and -03; ECPZJNP01B,C,D; ECPZVP301 and -02; ECPZEAP02 and -03. Sample ECPZWS04, ECMWEAP02, ECPZVP701 and -02 for physicochemical parameters. Measure water levels at vernal pools 2 and 7.	Eliminate locations ECMWWAP01S,D -02S,D and -04; MW-36; ECPZMWAP01A,B,C and -02A,B,C; ECMWWAP01A,B,C and -02A,B,C; ECPZVP102 (except water levels); ECPZWSB01, -02, and -03; ECPZJNP01B,C,D; ECPZVP301 and -02; ECPZEAP02 and -03. Add locations ECPZWS04, ECMWEAP02, ECPZVP701 and -02 for physicochemical parameters. Measure water levels at vernal pools 2 and 7.
Quarterly sampling for physicochemical parameters.	Semi-annual sampling for physicochemical parameters.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.
Quarterly sampling for chemical parameters.	Annual sampling for chemical parameters.	Reduce the frequency of sampling for chemical parameters from quarterly to annually.
Quarterly water level measurements	Semi-annual water level measurements.	Reduce frequency of water level measurements from quarterly to semi-annually.
Proposed seepage meter measurements.	No seepage meter measurements.	Eliminate seepage meter measurements.

Table 1. Summary of Proposed Changes to the Ecological Studies Program

Specific Changes (cont.)		
Ashmun and Johns Pond Area Biological Monitoring		
Currently (1998)	Proposed (1999)	Differences
Conduct surveys for vegetation, amphibians, threatened and endangered species, and species of special concern.	No vegetation, amphibians, threatened and endangered species, or species of special concern surveys.	Eliminate vegetation, amphibians, threatened and endangered, and species of special concern surveys.
SD-5N1 Phase II Groundwater Monitoring		
Currently (1998)	Proposed (1999)	Differences
Annual synoptic water level survey.	Semi-annual synoptic water level survey.	Increase annual water level survey to semi-annual at fewer monitoring wells/piezometers.
Not currently sampling 28MW0574.	Sample 28MW0574 monthly for physicochemical and semi-annually for water levels.	Add sampling of 28MW0574 monthly for physicochemical and semi-annually for water levels.
S-26 Phase II Surface Water Monitoring		
Currently (1998)	Proposed (1999)	Differences
Sampling of the Broad River and the Broad River Wetland at five locations for physicochemical parameters.	Eliminate sampling of the Broad River and the Broad River Wetland for physicochemical parameters.	No sampling of the Broad River and the Broad River Wetland for physicochemical parameters.
Sampling the Coonamessett River at six locations for physicochemical parameters.	Sampling the Coonamessett River at two locations for physicochemical parameters.	Eliminate sampling at 69SW0003, 10, -24, and -46 for physicochemical parameters.
Quarterly sampling of the Coonamessett River at six locations for field parameters.	Monthly sampling of the Coonamessett River at nine locations for field parameters.	Increase sampling frequency from quarterly to monthly. Add locations 69SW0047, -19, and -52 for field parameters.
Sampling of Vernal Pool 390 at 3 locations for physicochemical parameters six times per year.	No surface water sampling at Vernal Pool 390.	Eliminate sampling at Vernal Pool 390.
S-28 Phase II Groundwater Monitoring		
Currently (1998)	Proposed (1999)	Differences
Quarterly sampling for physicochemical parameters.	Semi-annual sampling for physicochemical parameters.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.
Quarterly sampling for chemical parameters.	Annual sampling for chemical parameters.	Reduce the frequency of sampling for chemical parameters from quarterly to annually.
Bi-weekly staff gauge measurements.	Monthly staff gauge measurements.	Reduce the frequency of staff gauge measurements from bi-weekly to monthly.
F-1 Plume Phase II Surface Water Monitoring		
Currently (1998)	Proposed (1999)	Differences
Chlorophyll <i>a</i> sampling six times annually, zooplankton sampling four times annually, and benthic macroinvertebrates two times annually at Long Pond and Red Brook Pond; Chlorophyll <i>a</i> only at Cuffs Pond, Vernal Pool 5, Spectacle Wetland, and Power Line Wetland.	Chlorophyll <i>a</i> measurements six times annually.	Eliminate zooplankton and benthic macroinvertebrates at Long Pond and Red Brook Pond.
Five surface water locations at Red Brook Pond and Long Pond.	Three surface water locations at Red Brook Pond and Long Pond.	Eliminate locations ECRBP02 and ECRBP04 at Red Brook Pond and locations ECLGP02 and ECLGP04 at Long Pond.

Table 1. Summary of Proposed Changes to the Ecological Studies Program

Specific Changes (cont.)		
Current (1998) Proposed (1999) Difference		
Elimination of ECWVRB01A,B,C at Red Brook Harbor and ECWWSQ01A,B at Squeteague Harbor. Reference Powerline Wetland in Ashumet Valley Phase I ESP instead of the LF-1 ESP.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.
Quarterly sampling for chemical parameters.	Semi-annual sampling for chemical parameters.	Reduce the frequency of sampling for chemical parameters from quarterly to semi-annually.
Bi-weekly staff gauge measurements.	Monthly staff gauge measurements.	Reduce the frequency of staff gauge measurements from bi-weekly to monthly.
LF-1 Phase Biological Monitoring		
Current (1998) Proposed (1999) Difference		
Quantitative vegetative surveys. Reference to vegetation, amphibian, invertebrate and threatened species. Include threatened and endangered species at Washburn Pond. Vegetation, amphibian, invertebrate and endangered species. and species of special concern surveys at Vernal pools 2 and 7. Address Power Line Wetland in Ashumet Valley Phase I ESP.	Qualitative vegetative surveys. Vegetation, threatened and endangered species, and species of special concern surveys at Washburn Pond. Vegetation, amphibian, invertebrate and endangered species, and species of special concern surveys at Vernal pools 2 and 7. Address Power Line Wetland in Ashumet Valley Phase I ESP.	Qualitative vegetative surveys. Vegetation, threatened and endangered species, and species of special concern surveys at Vernal pools 2 and 7. Address Power Line Wetland in Ashumet Valley Phase I ESP.
Bird surveys at Spectacle Wetland.	Eliminate bird surveys at Spectacle Wetland.	No bird surveys at Spectacle Wetland.
LF-2 Phase Biological Monitoring		
Current (1998) Proposed (1999) Difference		
Phytoplankton and zooplankton sampling four times annually, and benthic macroinvertebrates two times annually at Flax Pond; chlorophyll <i>a</i> , zooplankton, and benthic macroinvertebrate sampling at Boumes Pond and Green Pond; chlorophyll <i>a</i> and benthic macroinvertebrates at Pond 14; and chlorophyll <i>a</i> only at Falmouth Conservation Wetland, Power Line Wetland, Backus River, and Boume Pond River.	Chlorophyll <i>a</i> measurements six times annually; no changes for Flax Pond.	Eliminate zooplankton and benthic macroinvertebrates at Boumes Pond and Green Pond, and benthic macroinvertebrates at Pond 14.
Zooplankton and phytoplankton four times annually, and benthic macroinvertebrates two times annually at Triangle Pond (as specified in the FS-12 Phase II ESP).	Chlorophyll <i>a</i> quarterly annually for Triangle Pond in the Ashumet Valley Phase I ESP.	Eliminate zooplankton, phytoplankton, and benthic macroinvertebrates at Triangle Pond and use Chlorophyll <i>a</i> .
No current sampling in Little Jenkins Pond.	Baseline characterization of Little Jenkins Pond (ECLP01-02, -03 and ECSSLJ01).	Add baseline characterization of Little Jenkins Pond (ECLP01-02, -03 and ECSSLJ01).

Table 1. Summary of Proposed Changes to the Ecological Studies Program

Specific Changes (cont.)		
Ashumet Valley Plume Phase II Groundwater Monitoring		
Currently (1998)	Proposed (1999)	Difference
	Eliminate ECMWP1401A,B at Pond 14. Sample 69IG0009 and 69IG0010 at Pond 14 for chemical parameters. Eliminate locations ECMWSPE01, -02, -03 at Soumes Pond.	No sampling of ECMWP1401A,B at Pond 14. Add chemical sampling of groundwater at 69IG0009 and 69IG0010. Eliminate locations ECMWSPE01, -02, -03 at Soumes Pond.
No sampling Little Jenkins Pond and Vernal Pool 8.	Baseline characterization of Little Jenkins Pond (ECPZLJ01 and -02) and water level measurements at Vernal Pool 8 (ECPZVP801 and -02).	Add baseline characterization of Little Jenkins Pond (ECPZLJ01 and -02) and water level measurements at Vernal Pool 8 (ECPZVP801 and -02).
Quarterly sampling for physicochemical parameters.	Semi-annual sampling for physicochemical parameters.	Reduce the frequency of sampling for physicochemical parameters from quarterly to semi-annually.
Quarterly sampling for chemical parameters.	Semi-annual sampling for chemical parameters.	Reduce the frequency of sampling for chemical parameters from quarterly to semi-annually.
Bi-weekly staff gauge measurements.	Monthly staff gauge measurements.	Reduce the frequency of staff gauge measurements from bi-weekly to monthly.
Ashumet Valley Plume Phase II Biological Monitoring		
Currently (1998)	Proposed (1999)	Difference
Quantitative vegetative surveys. No current surveys at Little Jenkins Pond and Vernal Pool 8.	Qualitative vegetation surveys. Vegetation, threatened and endangered, and species of special concern surveys at Washburn Pond, Little Jenkins Pond, and Vernal Pool 8, and Power Line Wetland under Ashumet Valley ESP. Amphibians surveys will also be done at Power Line Wetland. Ashumet, Johns, and Peters ponds are directed to the Ashumet and Johns Ponds Area ESP. Biological monitoring is complete at Triangle Pond.	Qualitative vegetation surveys. Vegetation, threatened and endangered species, and species of special concern surveys for Washburn Pond was to be specified in the Ashumet and Johns Ponds Area ESP. Add Little Jenkins Pond, Vernal Pool 8, and Power Line Wetland. Biological monitoring is complete at Triangle Pond.
Bird surveys at Power Line Wetland.	Eliminate bird surveys at Power Line Wetland.	No bird surveys at Powerline Wetland.



Engineers and Constructors

Jacobs Engineering Group Inc.
Building 318, 318 East Inner Road
Otis ANG Base, Massachusetts 02542
508-564-5746 Fax 508-564-6425

18 June 1999

Mr. Jim F. Snyder
Remediation Program Manager
HQ AFCEE/MMR
322 East Inner Road, Box 41
Otis ANG Base, Massachusetts 02542

RE: Contract F41624-S7-D-8006
MMR Plume Response Program
Delivery Order 0015 DCN AFC-J23-35S18901-P1.2-0008
Project Note for Phase II Ecological Semiannual Reports

Dear Mr. Snyder:

As directed by the Air Force Center for Environmental Excellence, Jacobs Engineering Group Inc. is hereby submitting a hard copy of our Project Note detailing the scope of phase II semiannual reports. The Environmental Protection Agency and the Department of Environmental Protection concurred with these reporting requirements during discussions on May 16, 1999. This project note documents this concurrence in the Administrative Record.

If you have any questions regarding this letter, please feel free to contact me or Lisa Allinger at (508) 564-5746 extension 312.

Sincerely,

Eric W. Banks, P. E.
Program Manager

EWB/mm

Enclosures: Document (1)

Paul Marchessault, EPA (3)
Lynne Doty, DEP (1)
Leonard Pinaud, DEP (4)
Dave Hill, ARE (1)
Larry Lumeh, ARE (1)
Jo Ann Watson, ARE (1)

Mary Ellen Maly, AEC (1)
Ted Lento, US ACE (1)
Tom Cambaren, TRET (1)
Denis LeBlanc, TRET (1)
Warren Webb, TRET (1)
Dick Willey, TRET (1)

Scott Richmond, GF (2)
Jim Quinn, FEC (1)
Jo Ann Muramoto, ConOfc (1)
Dave Carigan, LBH (1)
Barbara Larcom, JPO (1)
Virginia Valeria, Selectman (1)

Greg Braun, MDPH (1)
Kns Barrett, JEG (1)
Lisa Allinger, JEG (1)
Doc. Control File, JEG (1)



PROJECT NOTE

AFC-J23-35S18901-P1.2-0008

Confirmation of ☒ Conference
Recorded By: L. Allinger
Place: Office of B. Hoda

Date Held: 05/24/99
Date Issued: 06/02/99

Participants: Bud Hoda - AFCEE

Lisa Allinger - JEG

Meeting Topics: Phase II Ecological Semiannual Reports

SUMMARY


Phase II data collected for the ecological studies program are presented in semiannual reports per Project Note and Table 1. Summary of Proposed Changes to the Ecological Studies Program (AFC-J23-35S18901-P1.2-0001). Because any changes in Tier I parameters potentially caused by a treatment system would be detected at or near the treatment system and addressed before affecting ecosystems downstream, assessment reports will be prepared annually with data reports provided in between (semiannually).

The following modified reporting requirement is recommended and submitted for Environmental Protection Agency and Massachusetts Department of Environmental Protection concurrence:

Data collected according to the Phase II ecological sampling plans (ESPs) will be incorporated into semiannual reports. The first report will (1) present data collected over the first six months of treatment plant operation, (2) identify deviations from the ESPs, and (3) compare chemical concentrations detected in surface water to ecological benchmarks (screening-level ecological risk assessment) and risk-based and hazardous-based concentrations (screening-level human health risk assessment), and chemical concentrations detected in groundwater to Massachusetts drinking water standards. In addition to the information provided in the first semiannual report, the second semiannual report (prepared annually) will include (1) discussion of data in terms of the ecological criteria guidelines, and (2) evaluation of potential treatment systems impacts and recommendations for modifying treatment plant operations and ecological monitoring as required.

Concurrence of agreement for submission of an annual assessment report on ecological data and semiannual data summaries of ecological data between annual assessment reports is represented by the signatures below:


AFCEE Project Officer


DEP Project Manager


EPA Project Manager


Jacobs Project Manager

ACTIONS

cc: Jim Snyder AFCEE/MMR
Mike Minior AFCEE/MMR
Bud Hoda AFCEE/MMR
Jon Davis AFCEE/MMR
Dario Beniquez HSWPKVBC

Lin Pinaud DEP
Paul Marchessault EPA
Cathy Kiley
Robert Lim EPA

Eric Banks JEG
Kris Barrett JEG
Lisa Allinger JEG
File

Jacobs Engineering Group Inc.
Building 318, 318 East Inner Road
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508-564-5746 Fax 508-564-5625

7 July 1999

Mr. Jim F. Snyder
Remediation Program Manager
HQ AFCEE/MMR
322 East Inner Road, Box 41
Otis ANG Base, MA 02542-5028

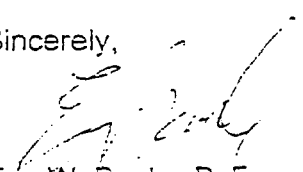
SUBJECT: Contract F41624-97-D-8006
MMR Plume Response Program
DO 0015 DCN/PROJECT # AFC-J23-35S18901-P1-0003
*Project Note for Modification of the 1999 Ecological Monitoring Strategy for
Micro Wells*

Dear Mr. Snyder:

As directed by the Air Force Center for Environmental Excellence, Jacobs Engineering Group Inc. is hereby submitting a hard copy of our Project Note (AFC-J23-35S18991-P1-0002) documenting changes to the MMR 1999 ecological monitoring strategy for micro-wells. Please note that the Environmental Protection Agency and the Department of Environmental Protection concurred with these changes.

If you have any questions regarding this letter, please feel free to contact me or Lisa Allinger at (508) 564-5746 extension 312.

Sincerely,


Eric W. Banks, P. E.
Program Manager

EWB/eat

Enclosures: Document (1)

cc: Bob Lim, EPA (1)
Cathy Kiley, DEP (1)
Bud Hoda, AFCEE (1)
Dario Beniquez, HSWMPKVBC (1)
Admin. Record, AFCEE (1)
Kris Barrett, JEG (1)
Lisa Allinger, JEG (1)
File - Document Control, JEG (1)



PROJECT NOTE		# AFC-J23-35S18901-P1-0002	
Confirmation of X Conference		Date Held: 06/16/99	
Recorded By: M. Morris		Date Issued: 06/18/99	
Place: Office of B. Hoda		Participants: Bud Hoda - AFCEE Mike Morris - JEG Lisa Allinger - JEG	
Meeting Topics: Phase II Eco Sampling of Micro-wells			
SUMMARY			
<p>The Final Work Plan for the Ecological Assessment Associated with Groundwater Plumes and Remedial Activities (AFCEE, April 1998) requires collection and analysis of surface water and sediment samples where concentrations of contaminants have been detected in the groundwater from deep or shallow micro-wells in Snake, Ashumer, and Johns Ponds. It is proposed that the work plan be amended to allow for sampling of surface water and sediment where contaminants are detected in the shallow micro-wells. In cases where plume contaminants exceed their detection limit in groundwater from the micro-wells, there has been no evidence of these contaminants in the adjacent surface water or sediment. The most recent surface water sampling of Johns Pond showed that contaminants within the plume "hot spots" in Johns Pond are not detectable outside the range of three feet from the pond bottom.</p> <p>Additionally, contaminants in medium and deep micro-well samples are not always detected in the shallow micro-wells. There is evidence to suggest that plume contaminants, in certain cases, can travel beneath the surface water bodies. Groundwater contaminants detected in medium to deep micro-wells are unlikely to discharge into the pond at the micro-well location.</p>			
Supporting Results			
Chemical analysis of Snake, Ashumer, and Johns pond samples during 1998 and 1999 has produced the following results:			
Snake Pond		Groundwater	
ECMWSNP02D	1,2-Dibromoethane (EDB)	5/5/98	0.029 µg/L
ECMWSNP02S	No plume contaminants detected		
ECMWSNP03D	No plume contaminants detected		
ECMWSNP03S	No plume contaminants detected		
Surface Water			
ECSNP07	No plume contaminants detected		
ECSNP08	No plume contaminants detected		
Sediment			
No chemical sampling was conducted for sediment.			
Ashumer Pond		Groundwater	
ECMWAAMP01S	No plume contaminants detected	5-4/98	2.05 µg/L
ECMWAAMP01M	Trichloroethylene (TCE)		
ECMWAAMP01D	No plume contaminants detected		
ECMWAAMP02S	No plume contaminants detected		
ECMWAAMP02M	No plume contaminants detected		
ECMWAAMP02D	No plume contaminants detected		
ECMWAAMP06A	No plume contaminants detected		
ECMWAAMP06B	No plume contaminants detected		

ECMWAMP06C	No plume contaminants detected		
ECMWAMP07A	No plume contaminants detected		
ECMWAMP07B	No plume contaminants detected		
ECMWAMP07C	No plume contaminants detected		
Surface Water			
ECAMP09	Tert-butyl methyl ether	8/4/98	3.45 µg/L J
Sediment			
ECAMP09	Acetone	8/5/98	5.06 µg/kg J

Johns Pond

Groundwater

ECMWJNP01S	Tert-butyl methyl ether	5/5/98	1.21 µg/L J
ECMWJNP01M	PCE	5/5/98	1.59 µg/L
ECMWJNP01M	PCE	11/4/98	1.6 µg/L
ECMWJNP01M	PCE	1/27/99	2.10 µg/L
ECMWJNP01D	PCE	5/5/98	2.1 µg/L
ECMWJNP01D	TCE	5/5/98	5.73 µg/L
ECMWJNP01D	PCE	11/4/98	0.96 µg/L J
ECMWJNP01D	TCE	11/4/98	5.1 µg/L
ECMWJNP01D	PCE	1/27/99	1.30 µg/L
ECMWJNP01D	TCE	1/27/99	4.40 µg/L
ECMWJNP02S	Tert-butyl methyl ether	5/5/98	3.19 µg/L J
ECMWJNP02S	Tetrachloroethylene (PCE)	5/5/98	1.22 µg/L
ECMWJNP02S	TCE	5/5/98	1.5 µg/L
ECMWJNP02S	PCE	11/4/98	1.4 µg/L
ECMWJNP02M	EDB	5/6/98	0.008 µg/L J
ECMWJNP02M	PCE	5/6/98	1.51 µg/L
ECMWJNP02M	TCE	5/6/98	7.94 µg/L
ECMWJNP02M	Tert-butyl methyl ether	11/4/98	4.2 µg/L
ECMWJNP02M	PCE	11/4/98	1.3 µg/L
ECMWJNP02M	TCE	11/4/98	5.5 µg/L
ECMWJNP02M	EDB	1/27/99	0.011 µg/L
ECMWJNP02M	Tert-butyl methyl ether	1/27/99	11.0 µg/L
ECMWJNP02M	PCE	1/27/99	1.40 µg/L
ECMWJNP02M	TCE	1/27/99	11.0 µg/L
ECMWJNP02D	PCE	5/6/98	1.69 µg/L
ECMWJNP02D	TCE	5/6/98	11.5 µg/L
ECMWJNP02D	PCE	11/4/98	1.5 µg/L
ECMWJNP02D	TCE	11/4/98	8.6 µg/L
ECMWJNP02D	PCE	1/27/99	1.50 µg/L
ECMWJNP02D	TCE	1/27/99	7.00 µg/L

Surface Water

No chemical sampling was conducted for surface water

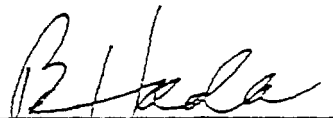
Sediment

No chemical sampling was conducted for sediment

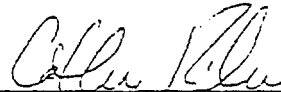
In view of this information, it is proposed that the work plan be amended to conduct surface water and sediment sampling for VOCs where there is a detectable level of plume contaminants in the shallow micro-wells. A surface water sample should be collected within three feet of the pond bottom near the

micro-well location. A sediment sample should also be collected in proximity to the micro-well.

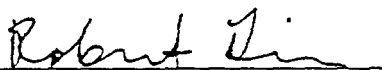
Concurrence of agreement for this project note is represented by the signatures below:



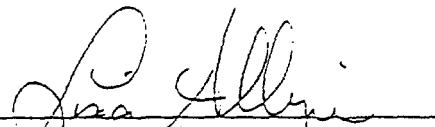
AFCEE Project Officer



DEP Project Manager



EPA Project Manager



Jacobs Project Manager

ACTIONS

cc:	Jim Snyder AFCEE/MMR	Leonard Pinaud DEP	Eric Banks JEG
	Mike Minor AFCEE/MMR	Paul Marchessault EPA	Kris Barren JEG
	Bud Hoda AFCEE/MMR	Catny Kiley	Lisa Allinger JEG
	Jon Davis AFCEE/MMR	Robert Lim EPA	File
	Dario Beniquez HSWP/KVBC	Vanessa Musgrave IRP	Lynne Dory DEP
	Jo Ann Watson ARNG	David Hill (co IRP) ARNG	Larry Lumen ARNG
	Mary Ellen Maly ARNG	Chris Mills USCG	CEU Providence USCG
	Thomas Cambaren TRET	Ray Kutzman TRET	Denis LeBlanc TRET
	Richard Peralta TRET	Patti Tyler TRET	Warren Webb TRET
	Richard Willey TRET	Scott Richmond GF	Jim Quinn FHE
	Jo Ann Muramoto, ConOfc	Nina Coleman, ConOfc	Robert Sherman, ConOfc
	George Green, ConOfc	Mark Galkowski, ConOfc	David Carignan LBH
	Cynthia Coffin LBH	Elias McQuaid LBH	David Mason LBH
	Stephen Brand CH2MHILL		

ATTACHMENT 1

PRELIMINARY HUMAN HEALTH RISK EVALUATION

ATTACHMENT 1
PRELIMINARY HUMAN HEALTH RISK EVALUATION FOR
THE FINAL FUEL SPILL-12 TREATMENT SYSTEM 1998 ANNUAL
ECOLOGICAL ASSESSMENT REPORT

A conservative screening-level human health risk evaluation was conducted to examine the potential for imminent human health risks from exposure to chemical contaminants detected in surface water samples collected as part of the baseline ecological monitoring for the FS-12 plume. This evaluation includes samples collected May 6 through September 21, 1998. It is important to note that the sample locations were chosen with the intent of evaluating ecological receptors; therefore, not all of the data have been collected in areas optimally suited to assessing where human exposure is likely. However, these data represent contaminant levels in the surface water systems; therefore, it is important to examine the potential for adverse risks to human health.

Technical Approach

Human health is evaluated in terms of imminent risk, that is, an excess individual cancer risk of 1×10^{-3} for carcinogenic compounds and a hazard quotient of 10 for noncarcinogenic compounds. The approach used is consistent with the guidance provided in the *MMR Risk Assessment Handbook* (ASG 1994) and follows standard protocols established by the U.S. Environmental Protection Agency (EPA). Current toxicity data were obtained from the EPA Integrated Risk Information System (IRIS). Risk-based concentrations (RBCs) and hazard-based concentrations (HBCs) were developed for surface water and sediment.

The risk equations provided in the *MMR Risk Assessment Handbook* were modified to evaluate exposure from recreational use of surface water bodies, including dermal contact with surface water and sediment, incidental ingestion of surface water and sediment, and the consumption of fish in surface water bodies (Table 1). Exposure factors provided in the *MMR Risk Assessment Handbook* were used and represent

exposure values agreed to by both the Massachusetts Department of Environmental Protection (DEP) and the EPA. Specific exposure factors are provided in Table 2. Toxicity and bioaccumulation factors used to calculate RBCs and HBCs are presented in Table 3 and Table 4, respectively.

As a screening tool, this approach uses extremely conservative risk and hazard equations and exposure factors. The results should be viewed in the following manner:

- If the concentrations of chemical constituents in surface water and sediment are less than the calculated RBCs or HBCs, then it is appropriate to report that there is no imminent risk associated with the detected chemicals.
- If the concentrations of chemical constituents in surface water and sediment are greater than the calculated RBCs or HBCs, then it does not mean there is a definitive risk to human health. It does mean that these compounds need to be evaluated further using more realistic maximum exposure scenarios or a more sophisticated approach that reflects site-specific uses (e.g., exposure) and specific modes of uptake associated with the compounds of concern. If further evaluation is warranted, it would be conducted by either the Air Force Center for Environmental Excellence (AFCEE) or the Commonwealth of Massachusetts, specifically DEP or the Department of Public Health. Any further evaluations conducted by AFCEE would be conducted with the support of the EPA and DEP.

Results of Screening-Level Human Health Risk Evaluation

Chemicals detected at FS-12 consisted of metals. Chemical concentrations detected in surface water are compared to RBCs and HBCs developed for each compound (Table 5). Toxicity values are unavailable for several chemicals; therefore, RBCs and HBCs could not be calculated.

Although several metals were detected in surface water, none of the compounds exceeded risk or hazard-based concentrations. Therefore, there is no imminent risk associated with chemicals detected at potentially impacted sites and reference areas associated with the plume.

Reference

ASG (Automated Sciences Group). 1994 (September). *Final Risk Assessment Handbook, Massachusetts Military Reservation, Cape Cod, Massachusetts*. Prepared for Air National Guard Bureau, Massachusetts Military Reservation, Cape Cod, Massachusetts.

Table 1
Calculations for Deriving Risk- and Hazard-Based Concentrations

Equations for Deriving Risk-Equivalent Surface Water and Sediment Concentrations
<u>Surface Water</u> $RBC = (Target\ Risk \times BW \times AT) / [SF_o \times EF_{SWIM} \times ET_{SWIM} \times ED \times (IR_{SW} + SA_{BOD} \times PC \times CF_{VOL}) + (IR_{FISH} \times BAF \times FI \times EF_{FISH} \times 1/EF_{SWIM} \times 1/ET_{SWIM})]$
<u>Sediment</u> $RBC = (Target\ Risk \times BW \times AT) / [SF_o \times EF_{SWIM} \times ED \times CF_{WT} \times (IR_{SED} + SA_{LEG} \times AF \times ABS)]$

Equations for Deriving Hazard-Equivalent Surface Water and Sediment Concentrations
<u>Surface Water</u> $HBC = (Target\ Hazard\ Quotient \times BW \times AT) / [1/RfDo \times EF_{SWIM} \times ET_{SWIM} \times ED \times (IR_{SW} + SA_{BOD} \times PC \times CF_{VOL}) + (IR_{FISH} \times BAF \times FI \times EF_{FISH} \times 1/EF_{SWIM} \times 1/ET_{SWIM})]$
<u>Sediment</u> $HBC = (Target\ Hazard\ Quotient \times BW \times AT) / [1/RfDo \times EF_{SWIM} \times ED \times CF_{WT} \times (IR_{SED} + SA_{LEG} \times AF \times ABS)]$

Note: See Table 2 for definitions of parameters and exposure factors.

Table 2
Definition of Parameters and Exposure Factors

Parameter	Definition	Adult	Child (age 1-6)
Target Risk	Target excess individual lifetime cancer risk	1×10^{-3}	1×10^{-3}
Target Hazard Quotient	Target hazard quotient for noncancer risk	10	10
BW (kg)	Body weight	70.00	16.00
AT _{cg} (days)	Averaging time for carcinogens	25550.00	25550.00
AT _{noncg} (days)	Averaging time for noncarcinogens (ED x 365)	8760.00	2190.00
IR _{SW} (L/hr)	Ingestion rate for surface water	0.05	0.05
IR _{SED} (mg/day)	Ingestion rate for sediment	100.00	100.00
IR _{FISH} (kg/meal)	Ingestion rate for fish consumption	0.284	0.284
ET _{SWIM} (hr/day or /event)	Swimming exposure time	2.60	2.60
EF _{SWIM} (days/yr)	Swimming exposure frequency	7.00	7.00
EF _{FISH} (meals/yr)	Fish exposure frequency	104.00	104.00
ED (yr)	Exposure duration	24.00	6.00
FI	Fraction of fish ingested from contaminated sources	1.00	1.00
SA _{BOD} (cm ²)	Surface area of body	19400.00	7280.00
SA _{LEG} (cm ²)	Surface area of legs	5500.00	1800.00
CF _{WT} (mg/kg)	Conversion factor for weight	1.00E-06	1.00E-06
CF _{VOL} (L/cm ³)	Volumetric conversion for water	1.00E-03	1.00E-03
RfD _o (mg/kg-day)-1	Reference dose	Chemical specific	Chemical specific
SFo (mg/kg-day)-1	Cancer slope factor	Chemical specific	Chemical specific
PC (cm/hr)	Dermal permeability constant	Chemical specific	Chemical specific
AF (mg/cm ² -hr or -event)	Skin adherence factor	1.00	1.00
ABS (unitless)	Dermal absorption factor	Chemical specific	Chemical specific
BAF (unitless)	Bioaccumulation factor for fish	Chemical specific	Chemical specific

cm = centimeters
 cm² = square centimeters
 cm³ = cubic centimeters
 hr = hours
 kg = kilograms
 L = liters
 mg = milligrams
 yr = years

Table 3
Slope Factors and Reference Doses

Analyte	Sf _o (mg/kg-day)	Reference	RfD _o (mg/kg-day)	Reference
METALS				
BARIUM	NA		7.0E-02	a
BORON	NA		9.0E-02	a
CALCIUM	NA		NA	
IRON	NA		NA	
LEAD	NA		NA	
MAGNESIUM	NA		NA	
MANGANESE, non-dietary {water, soil}	NA		4.7E-02	a
NICKEL	NA		2.0E-02	a
POTASSIUM	NA		NA	
SODIUM	NA		NA	
ZINC	NA		3.0E-01	a

mg/kg-day = milligrams per kilogram per day

NA = not available

RfD_o = oral reference dose

Sf_o = oral slope factor

KEY TO REFERENCE:

a = U.S. EPA, 1999, Integrated Risk Information System (IRIS).

Table 4
Fish Bioaccumulation Factors (BAFs)

Chemical	BAF	Reference
Metals		
BARIUM	4	a
BORON	NA	c
CALCIUM	NA	
IRON	100	a
LEAD	49	c
MAGNESIUM	NA	
MANGANESE	400	b
NICKEL	47	c
POTASSIUM	NA	
SODIUM	NA	
ZINC	47	c

KEY TO REFERENCES:

- a Automated Sciences Group (ASG). 1994 (September). *Final Risk Assessment Handbook, Massachusetts Military Reservations, Cape Cod, Massachusetts*. Prepared for Air National Guard Bureau, Massachusetts Military Reservation, Cape Cod, Massachusetts.
- b Barnhouse, L.W., J. E. Breck, T. D. Jones, G.W. Suter, C. Easterly, L. R. Glass, B.A. Owen, and A.P. Watson. 1998. *Relative Toxicity Estimates and Bioaccumulation Factors for the Defense Priority Model*. ORNL-6416. Oak Ridge National Laboratory, Oak Ridge, TN.
- c EPA Region IV. 1996. *Toxic Substance Spreadsheet*. EPA Region IV, Atlanta, GA.

NA = Bioaccumulation factor not available.

Table 5
Comparison of Surface Water Concentrations with Risk- and Hazard-Based Concentrations
(November 1998)

Locaton	Analyte	Cumulative Risk-Based Concentration at Target Risk of 1×10^{-3}	Cumulative Hazard-Based Concentration at Target Hazard of 10:0	Minimum Detect	Maximum Detect
		All units µg/L			
METALS					
ECSNP07	BARIUM (TOTAL)	NA	1.84E+05	4.18 J	5.31 J
	BORON (TOTAL)	NA	2.32E+07	90.8 J	90.8 J
	CALCIUM (TOTAL)	NA	NA	1110	1350
	IRON (TOTAL)	NA	NA	40.9 J	40.9 J
	LEAD (TOTAL)	NA	NA	1.04 J	1.04 J
	MAGNESIUM (TOTAL)	NA	NA	848	955
	MANGANESE (TOTAL)	NA	3.26E+03	5.91 J	6.18 J
	POTASSIUM (TOTAL)	NA	NA	693 J	711 J
	SODIUM (TOTAL)	NA	NA	5740	6160
ZINC (TOTAL)	NA	6.78E+04	8.42	8.42	
ECSNP08	BARIUM (TOTAL)	NA	1.84E+05	4.58 J	4.95 J
	BORON (TOTAL)	NA	2.32E+07	84.9	84.9
	CALCIUM (TOTAL)	NA	NA	1210	1250
	IRON (TOTAL)	NA	NA	49.9 J	49.9 J
	MAGNESIUM (TOTAL)	NA	NA	882	926
	MANGANESE (TOTAL)	NA	3.26E+03	5.46 J	6.31 J
	NICKEL (TOTAL)	NA	4.52E+03	0.77 J	0.77 J
	POTASSIUM (TOTAL)	NA	NA	662 J	740 J
	SODIUM (TOTAL)	NA	NA	5570	6300
ZINC (TOTAL)	NA	6.78E+04	5.76	5.76	

J = The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.

NA = Slope factors or reference doses were not available for calculation of RBCs and/or HBCs.

µg/L = micrograms per liter